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# THE NATIONAL PROVISIONER.

The Organ of the Provision and Meat Industries of the United States.

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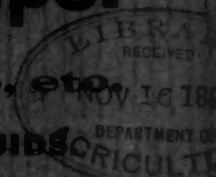
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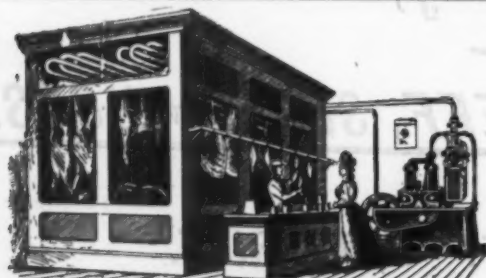
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# THE NATIONAL PROVISIONER,

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## FERTILIZERS.

As our readers will see from another column the prospects are for better prices in fertilizer markets as they are for other animal products. We advise to hold and to sell on bulges only. Blood and tankage are not waste materials any more, and the packers should make as much out of them as they can. Ask for full prices and do not be in a hurry to sell.

## BETTER TIMES AHEAD.

As a slight proof that better times are ahead, we are glad to report the closing of fifteen new advertising contracts during the first week following the elections; we have enrolled 248 new names of annual subscribers and sold sixty-nine copies of our Handbook and Directory during the same period. We have also booked a number of orders for our new book on Cottonseed Oil, and our forthcoming book on Oils, Paints and Varnishes. Better times are evidently ahead and the packing, meat, provision and oil trades seem to feel it. Please accept our thanks, gentlemen.

## WHAT CAN BUTCHERS DO?

The question what butchers can do to help themselves against the encroachment of department stores upon their business will not down, and justly the retail trade is alarmed, although we do not believe that the trade at large has much suffered by the sale of fresh meats in department stores.

There are only two department stores in this country, and both belong to the same corporation, which at the present time sell fresh meats. That there are so few is no doubt due to the great care which is required in handling fresh meats, and to the special facilities which are needed to handle this kind of trade, and which are not required with salted or smoked provisions. It is in this latter line that the butchers seem to be feeling the competition, although probably not to the same extent as the grocers do.

For many reasons which we have previously stated, boycotting of the department stores does not seem practicable, since they will overcome any objections to their methods by quoting low prices.

It seems to us, however, that butchers and grocers could well afford to handle some goods which are now handled by department stores, and that thereby they could attract a larger patronage to their shops and markets than they do now.

Some New York retail butchers are selling flowers to their customers, others sell fruits and vegetables and a great many of them sell fish, and quite a few of them sell canned goods to their trade. While we do not advise every butcher to run a grocery store, on account of the great variety of goods which it is necessary to keep, a good many of the goods in this line can be properly kept and sold in butcher shops and meat markets, providing the facilities for handling these lines are sufficiently large.

There are other side lines that could be handled and our readers, among the butchers, may think this question over a little and see whether we are not right. We still believe that butchers could do a profitable business if they could afford to supply ice to their patrons. It might not be unprofitable to send out salesmen from butcher shops and meat markets, providing a complete stock of provisions was kept on hand at headquarters. Carry the fight into the enemy's country, gentlemen. That will avail more than boycotting.

## COTTON SEED VERSUS COTTON OIL.

The flurry which obtained in the market for animal products several weeks prior to the election has proved harmful in its effects upon the future of cotton oil, judged from the standpoint of the conservative manufacturer. The rapid rise in lard and tallow prices was at once reflected in cotton oil by a corresponding advance, but we took pains to warn the seed crushing trade not to permit inflated views as to the future to thwart their judgment when purchasing seed supplies. While the outlook for a material improvement in cot-

ton oil values was undoubtedly promising, the stability which would warrant the payment of high prices for seed supplies was lacking. As a matter of fact the market has since that time declined appreciably. The temporary high prices of oil practically created a seed war in certain parts of the South, notably Alabama, advancing values to a point where it is absolutely impossible for the manufacturer to secure a margin of profit at the present prices of the manufactured products. It is palpable, therefore, that unless the price of oil is marked up during the season, not a few of the crushers will find themselves in financial difficulty. As high as 71 cents per hundred pounds, or \$14.20 per ton has been paid for seed at Selma, Alabama. This high price has proved an incentive to farmers to rush to market every available ton of seed, while representatives of the mills stand ready with sacks of currency to exchange. This is an unhealthy condition of affairs and cannot last. We rather believe that seed must go down before oil can go up.

## INSULATION AND ICE MACHINERY.

We have stated frequently that the proper kind of insulation in chill rooms and refrigerators was as essential to the success of the packer and butcher as was a good refrigerating machine. This for the simple reason that a poorly insulated refrigerating chamber, if cooled by natural ice, consumes more ice than a well insulated one, while if cooled by mechanical refrigeration (ice machine), a larger quantity of coal is needed to chill the room, hence cheaply put up insulations is not in the end as cheap as it may look, and the coal and ice bills will tell the story, when it is often too late to reconsider.

The excess of coal and ice bills over and above the amount that they should be is by far larger every year than the difference in the interest on the original capital. There are any number of people who offer insulating materials to the trade—paper of all kinds, cork, felt, mineral wool, sawdust and other non-conducting material are used for the purpose of insulation. Of all these, mineral wool and paper are the only ones which should really be considered, if anything else than air spaces are used, but sawdust should under no circumstances and at no time be put between the insulating partitions. When once wet within the insulating wall, sawdust will never get dry, but will lay there like a wet sponge and prevent a proper working of the refrigerating machine or a quick melting of natural ice, where it is used.

Too much attention cannot be given to the selection of good waterproof paper, good boards, free from knots, and to proper workmanship in constructing insulated rooms for refrigeration. Good work and good material will cost a little more than cheap work and cheap material, but to save in the cost of your insulation means to economize in the wrong place. You will pay for coal or ice every year, and for many years more than you save in the original cost. Poor insulation is false economy.

The belief that the great meat, packing and provision industries of this country should be represented in the next Cabinet, has prompted the live stock men of Kansas City, Omaha and the West generally to inaugurate a campaign to procure for Mr. Samuel Allerton the position of Secretary of Agriculture. There is no good reason why the great industry this paper represents should not be recognized in Mr. McKinley's official family. And as for Mr. Samuel Allerton, there can be no doubt of his abilities for the office.

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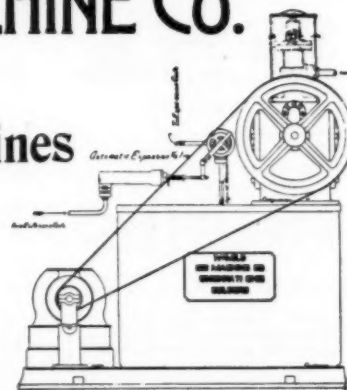
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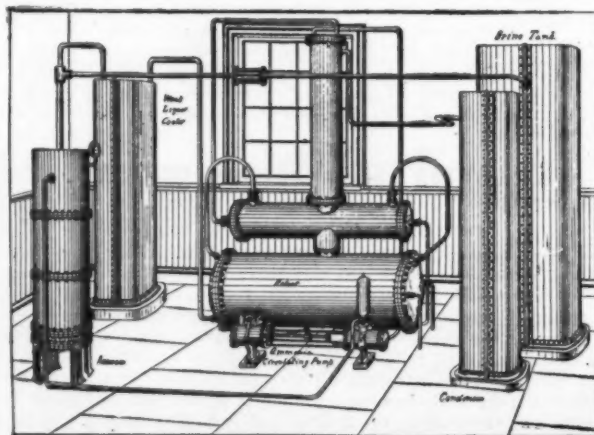
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HOTEL MARGARET, Brooklyn, N. Y.



## PROVISIONS AND LARD. WEEKLY REVIEW.

STAGNATION AND WEAKNESS have been the features of these markets, in face of a boom in wheat, and a general disposition to advance prices of all other commodities during the week. This has also been in the face of continued light receipts of hogs until Wednesday at most Western points, although they began to increase at Kansas City early in the week, but the total West ran behind last year at the nine leading points up till Tuesday. But this has not been the chief cause of the weakness, which has come from continued selling by the packers, who, with one exception, have been reported on that side of the market; and that exception was only temporary, in the case of Armour, early in the week, who was bidding for ribs openly, while believed to be selling lard through brokers, which latter fact appeared to be confirmed by the special weakness in the latter staple all the week. There has been some outside selling as well, by longs who bought before the election, in anticipation of a boom, that has so far failed to materialize. This has left the shorts the only support in the market, since spot trade has continued as dull as before election, if not worse. In fact, both home and export trade have practically been out of the market, for everything, so far this week, the latter claiming that prices for American products are cheaper relatively on the other side than here, so far as the English markets are concerned, while the Continent wants no lard whatever, except what is gone forward on old contracts, as she is soon to be supplied by her native crop, which is liberal, and will be marketed early to save importing feed stuff. The home trade is holding off because they expect lower prices; and, although before election, it was supposed that stocks were very light in second hands, and would have to be replenished after election, there has been no confirmation of this belief so far, and its failure is not explained, unless it be that the West is doing the trade hitherto done through the East, almost altogether through the agencies of Western dressed beef houses, who now have branches in nearly every town in the Eastern and Middle States. Yet New York City cutters have been doing about their usual business in cutting hogs, although reporting nothing but the smallest jobbing trade in any kind of meats, except about 100 boxes of clear bellies for Cuba, taken so far this week. In ribbed bellies there has absolutely been no outside demand, and old prices have been asked, as well as for hams and shoulders; although buyers claim they could obtain a concession of

½¢, if they had any orders. Cuba has taken a little lard as well as bellies, but this demand, supposed to be for the Spanish army in Cuba, has been very light for some time past, and not half the volume of a year ago, reducing requirements from that source, very materially, while the low prices of West India products, generally, have rendered those markets unable to buy much American produce this year, and hence the light trade also in pork, which has scarcely averaged 200 bbls. a day in the New York market for some time past. There is not an exception, therefore, this week, to the general stagnation in spot stuff, in the New York market, while practically the same conditions have been reported at the West, so far as new business was concerned, although shipments out of Chicago have been of fair amount, but not up to recent average. The only thing, and that is an exceptional one, in which there has been any business, of any importance, during the week, is neutral lard, of which free sales were reported on Monday and Tuesday for export, at 5½¢, in Chicago and 5½¢, in New York, although the buyers will not give the amounts taken. This is the first movement of importance in this staple in some time. As to the prospective supply of hogs, packers seem to be entirely confident in their position on the bear side of the market, and have grown bolder, even this last week, in their sales of January stuff, against anticipated receipts of hogs the balance of this year. But, as noted above, until Tuesday and Wednesday, there has been no evidence of a larger movement, at any point, though packers profess to expect it to increase from now on. As to the quality of current arrivals, a leading packer assures us that it is up to the best average of the season, and also that they have less complaint of cholera among them than usual, notwithstanding some State Crop Reports to the contrary, during the week, notably from Southern Michigan and Northern Indiana. This increased movement of hogs, at this time, is rather notable, considering the extremely light receipts of all kinds of grain, at Chicago, so far this week, which has been attributed to the suspension of shipments during last week's election excitement, and the bad weather in some sections since. But why these causes should not have the same effect, to decrease the shipment of hogs also, it is difficult to see; at all events, they are now increasing, whatever the causes may be, and the prices have declined, both East and West, since the early part of the week, and the expectation seems to be now for an increasing supply for the near future.

The Government Crop Report for November on corn raised its estimate of the yield to over 27 bushels per acre against a trifle over

26 bushels for last year, giving a crop of over 2,200,000,000 bushels. This, no doubt, is considered a good basis by the packers for anticipating a big hog crop the coming year, and hence their indisposition to go into the packing realm, or to stock up at any higher prices than possible, especially in view of the increasing stagnation in the spot market; although, as above indicated, this is likely to be more apparent than real, with the packers doing a larger proportion of the distributive trade, through their own agencies than usual.

On Saturday the option markets in Chicago opened weak and declined with wheat, but later recovered and closed higher for the day, with that staple, by 10c. on pork, 2½¢ on lard and ribs, though transactions were of an unimportant character. Spot Western lard was quoted in New York at \$4.50 cost and freight, 4.45¢-4.27½¢ in tanks, without a transaction reported, and only 100 city for refining at 4.20. Spot pork was reduced on that day to 8.37½¢-8.75¢ for mess; 10¢-11¢ for family and \$9¢-10.50¢ for clear; 6,000 lb of 15-lb ribbed bellies sold at 5½¢, in New York loose; this, with 100 bbls. of pork, was all reported for the day.

On Monday the option markets in Chicago opened firmer, though wheat was lower, and the receipts of hogs 38,000, as expected, but the wheat market turned up late in the day, and put pork up 20c., to lose 15 at the close; lard 10c., to lose 5, and ribs 15, to lose 7½¢. The shorts covered quite freely and caused the advance, while the reaction was caused by packers selling. In the New York market 4.52½¢-4.55¢ was quoted for spot Western lard, 4.50¢ for cost and freight and 4.32½¢ for tank, while 100 city lard sold at 4.20¢-4.25¢ for refining. Only a couple of hundred bbls. of pork were sold at Saturday's quotations, while hogs were ¼¢ up in New York and 5¢ up in Chicago, notwithstanding the more liberal receipts there, Omaha and Kansas City being 5¢-10c. up, respectively.

On Tuesday the option markets sold off in Chicago, but recovered at the close on pork, while ribs were 2½¢ off and lard 5c., in face of only 25,000 hogs in that market, or 13,000 less than on Monday, when the market advanced. Cash Western lard in New York was quoted 5.52½¢, tank, 4.27½¢, and cost and freight, 4.47½¢, with only one or two tanks reported at that figure; 100 city lard 4.20, 300 iron bound do. for Cuba 4.60, refined lard for the Continent 4.90 or 5 off, but unchanged for South American at 5.25, and Brazil at 6.25 in kegs, with a small order trade only reported. Nothing was doing in pork, and only 80 boxes clear bellies for Cuba at 5½¢-5½¢. Hogs in New York were ¼¢ off.

On Wednesday Chicago broke 7½¢ on pork,

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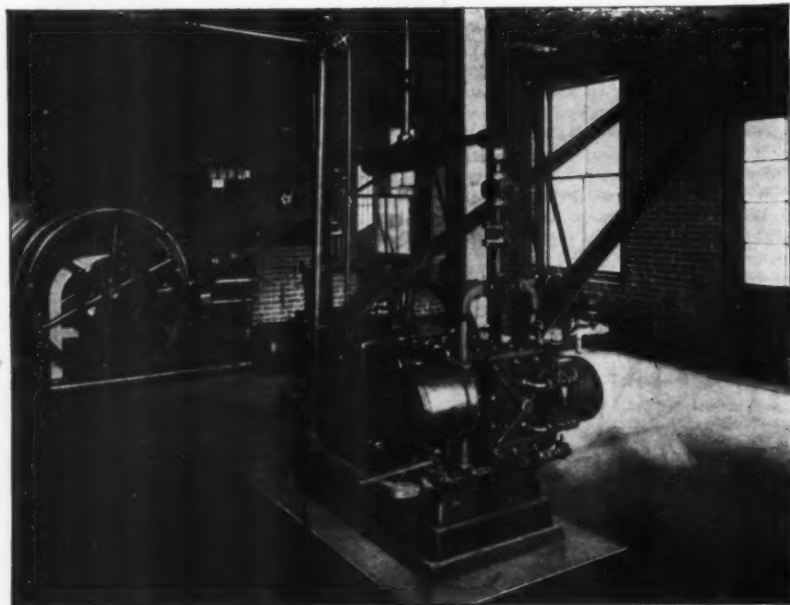
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at the opening, and only recovered  $2\frac{1}{2}$  during the day, lard  $7\frac{1}{2}$  and recovered 5, ribs  $2\frac{1}{2}$  and recovered it on light and featureless trading, with 38,000 hogs there, as estimated, and 5¢ 10c. off, and from 5 to 15c. off at Omaha and Kansas City, on 89,000 hogs at the nine Western points, against 69,000 last year, and 70,000 on Tuesday against 60,000 the year before, with 40,000 estimated for Thursday at Chicago, indicating a still further increase. In the New York market only two cars of Western lard were reported at 4.50 spot and to arrive promptly, 4.45 cost and freight, 4.25 in tanks, with small sales of the latter reported done on Tuesday and Wednesday to local refiners; 250 bbls. of pork and small sales of city lard at 4.20 for refining, hogs unchanged.

**BEEF PRODUCTS** have been a little more active this week than last, when nothing was doing, with sales of 400 tcs. of Extra India Mess and 1,000 bbls. of packet and family at former quotations, as given below. This was all city packed stock, while Western has scarcely been quoted in the New York market, for any kind, hams being nominal at \$16 @ \$16.50, cost and freight New York, as to brands. In canned beef there has been no improvement whatever, and no change in prices, without a feature to note.

(For later report, see page 19.)

## TALLOW AND STEARINE. WEEKLY REVIEW.

**TALLOW** has been quiet but gradually strengthening, like other soap stocks, as was the case in cotton oil, noted in another article, as soap stocks, both at home and abroad, have been reduced in manufacturers' hands during the late dullness, and let up in exports, as well as in home deliveries; and both have been in the market this week at last week's prices, while melters have demanded  $\frac{1}{4}$  more and offered sparingly, causing that much nominal advance for the week, or rather to this writing, without increased offerings or business. In fact, the principal holders in New York are not offering prime city at 3½, although small sales have been made at 3½, to local soap makers, while exporters have had orders at that for round lot and could not fill them. In fact, small lots can be bought cheaper than round ones, as the two chief holders of city are not pressing sales, and only those two melters could fill any orders of importance. The market is in such position that a purchase of a thousand hhd. would probably advance prices to 3¾, without being able to buy much more at that price, although there are considerable accumulations in New York, made the last month or six weeks, during which not over  $\frac{1}{4}$ , according to the estimates of buyers, and certainly not over a half, according to reports that have been made, of the current production has been sold; which would leave at the end of this week, according to the estimates of the former, about 3,000 hhd. unsold, although some of the melters claim there were not over

1,000 hhd. unsold at close of last week, although the weekly production is about 750 hhd. They explain this by claiming that a considerable amount has been delivered during this dull period on old contracts, while the production, as above estimated, has been less than usual, owing to the late demand for oleo oils, at the high prices lately ruling in Rotterdam. Local soap makers, however, have supplied themselves mostly from arrivals of country stock, which have been sufficient to keep them running, supplemented by the 200 hhd. of city delivered on weekly contracts and an occasional 200 to 300 hhd. in lots weekly for the last four or five weeks. As to the situation outside of New York, a prominent exporter says: "Baltimore and Philadelphia have some accumulations, but no ocean freights available till January, which has shut out exporters, while 500 tcs. were taken at the latter point, to go West, within the past week; and even New York would be able to unload on the West, if her quality was good enough; as choice packers' tallow has sold there up to 4 and even 4½c. during the week, while Hammond's brand has been held at 4¼. But No. 2 Packers' tallow is not wanted in that market, and has been easy at old prices, 3¼c. asked. Yet the light receipts of cattle West has prevented accumulations, even of this grade, while choice is all cleaned up." Thus it will be seen, that outside of New York, consumption has kept pretty close up to production for home account during this period of protracted dullness, while exporters have been out of our market, showing that there is less dependence on foreign markets now than there was during the late activity in export demand. This will give melters a decided advantage whenever exporters shall come in again, as they now promise to do; while this week has demonstrated that they could buy very little without putting up the market on themselves. Tallow, therefore, seems to be in a strong position, as well as cotton oil, and the prospects are for a better export trade in both, in the near future.

On Saturday there were buyers in this market at 3½c. for city and at 4c. in Chicago for choice packers with no sales reported and  $\frac{1}{4}$ c. more asked in both markets. But 100,000 country in New York sold at 3½@3¾, the latter edible.

On Monday the same conditions existed in New York, without transactions reported, except of 120,000 lb of country at 3¾@3½ pcks. free; but there were 100 tcs. of city edible sold at 4¼c. for choice brands, and 2,000 tcs. of choice packers' in Chicago at 4c., the latter all taken by local soap makers.

On Tuesday 200 hhd. of city tallow were taken by local soap makers in New York at 3½c., although that was bid by exporters and refused by the chief holders, who offered sparingly, even at 3½. There were sales of choice packers' in Chicago at an advance of  $\frac{1}{4}$ c. to 4¾, but the amount was not given, though said to be fair, and 60,000 lb country, New York, at 3½@3¾c.

On Wednesday 100,000 lb of country were sold in New York at 3½@3¾, or  $\frac{1}{4}$ c. advance to the local trade, with no further transactions

reported East or West, though the market was strong in both sections and would probably have brought 3½ New York for the best brands, if they had been offered at that figure, freely.

Grenses have been firmer on light supplies and fair demand, and advanced  $\frac{1}{4}$ c. during the week, East and West, in sympathy with tallow, home trade absorbing current production, generally.

**STEARINES** have been more active for oleo for Eastern compound lard refiners, although at easier prices under accumulations, especially at Chicago, which settled down to 5c. asked, at which there have been only small sales in lots reported, while 4¾c. has been the best bid for round lots; but no inquiry for export has yet been reported in that market, or at New York, exporters seemingly having no orders for that staple, at these figures, although they had for tallow and cotton oil. But in lard stearine there has been nothing reported in the New York market, during the week, although there may have been small sales for export, of city stock, which has settled down to 5¼c. asked in sympathy with the raw lard market, while Western has been nominal in New York at 4¾c. to sell, though held at 4¾@5, to arrive.

(For later report, see page 19.)

## HIDE AND SKIN MARKETS. CHICAGO.

**PACKER HIDES.**—The packer market has steadily advanced, and it is a question if the packers know where to stop, or will they repeat the folly of the early part of 1895. As hides are a by-product, no cattle being killed for the hides alone, it is very evident that no matter how much the advance may be, it cannot increase the quantity of hides, and, therefore, why should tanners follow up prices when they are already beyond the reach of tanners, if they figure on the prices of leather? It is true that there is no large quantity of hides on the market to offer, and the kill of cattle is not large. Packers claim that the small receipts of cattle is because there are so few cattle to ship, while others say that it is in some degree because the cattle are not needed, owing to lack of demand for meat. Whatever the cause, the higher price of hides will not increase the kill of cattle, and tanners have got to take a considerable time at best before they can get leather to prices corresponding with to-day's price of hides. In giving quotations to-day on any kind of hides it must be remembered by the reader that a few hours even may beat up any figures we may give. We quote native steers, 60 lb and up, at 10c. This is a very high figure for November hides, when we compare them with other years, and a good many tanners are hesitating rather than take the risk of paying such prices.

No. 1 BUTT-BRANDED STEERS, 60 lb and up, 8¾@9c., and the packers claim to be very firm, though we know of no sales at over 8¾c.

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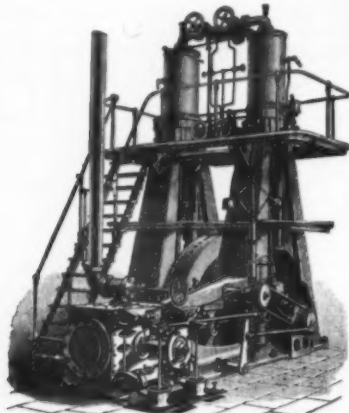
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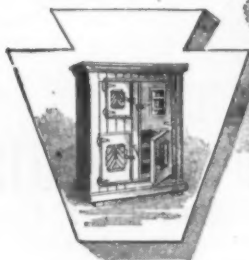
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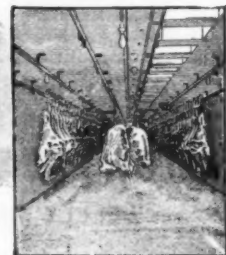


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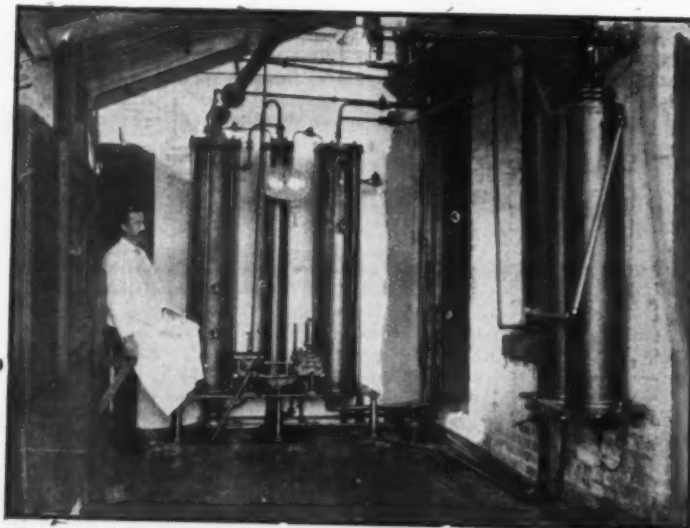
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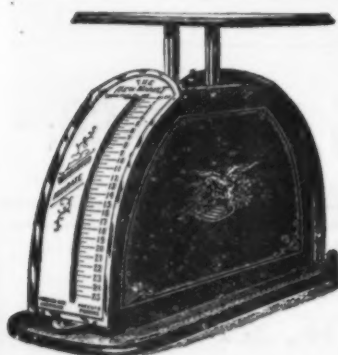
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No. 1 TEXAS STEERS, 60 lb and up, 8 $\frac{1}{4}$  9c., with sales at 8 $\frac{1}{4}$ c., with the light weights at 8 $\frac{1}{4}$ c.

No. 1 COLORADO or SIDE-BRANDED STEERS, 60 lb and up, 7 $\frac{3}{4}$ @8c., with sales at 7 $\frac{3}{4}$ c., and, of course, that meant to put another  $\frac{1}{4}$ c. on.

BRANDED COWS are strong at 7 $\frac{1}{4}$ c., and 8c. is now talked of. The Shoe and Leather Review says:

"The present quotations for Colorado steers and branded cows is unusually high. Not since 1889 has the price been up to 8c., always excepting last year, when all records were broken. In November, 1895, Colorado steers and branded cows sold at 6 $\frac{1}{4}$ c., and the average price for the year was only 8 $\frac{1}{4}$ c. for Colorados and 8c. for branded cows. Following are the November prices of Colorado steers and branded cows for a period of years.

	Colorado steers.	Branded cows.
1889.....	7 $\frac{1}{4}$	5 $\frac{1}{4}$
1890.....	7 $\frac{1}{2}$	6
1891.....	7	5 $\frac{1}{4}$
1892.....	6	5
1893.....	5	4 $\frac{3}{4}$
1894.....	6 $\frac{1}{4}$	5
1895.....	6 $\frac{1}{4}$	6 $\frac{1}{4}$
1896.....	7 $\frac{1}{4}$ @8	7 $\frac{1}{4}$ @8

No. 1 NATIVE COWS, 55 lb and up, are in small supply and are held extremely high, and are quoted 9 $\frac{1}{2}$ @10c., with sales at 9 $\frac{1}{4}$ c. These prices are far beyond those of previous years. A telegram just received from Columbus, Ind., says: "We know of some sales of cows today, 50 lb and up, at 9 $\frac{1}{4}$ c., and they are nothing extra in take-off or condition." It seems to be a serious condition for the tanners, and the question is, will they follow on at such extremes, or will they call a halt?

NATIVE BULLS are scarce, and it is doubtful if any can be furnished for immediate delivery. We quote native 7 $\frac{1}{2}$ c.; branded, 6c.

We quote: Native steers, 60 lb and up, 10; Butt-branded steers, 60 lb and up, 8 $\frac{1}{4}$ @9; side-branded steers, 60 lb and up, 7 $\frac{3}{4}$ @8; Texas steers, 60 lb and up, 8 $\frac{1}{4}$ @9; Texas steers, 50 to 60 lb, 8 $\frac{1}{4}$ ; branded cows, 7 $\frac{3}{4}$ @8; No. 1 native cows, 55 lb and up, 9 $\frac{1}{4}$ @10; bulls, No. 1's, 7 $\frac{1}{2}$ ; bulls, No. 2's, 6.

CHICAGO COUNTRY HIDES.—The country hide market has gone wild, and at the present time it is hard to guess where it will stop. Like a cyclone, it seems to gather strength as it advances, and at present to say that the market is strong conveys a very faint idea of the present situation. Buff hides have sold at 9c., and one Eastern tanner paid 9c. for hides that had been offered him a few hours before at 8 $\frac{1}{2}$ c. All sorts of wild rumors are in circulation as to much higher prices, but with the lesson of 1895 so fresh, it hardly seems probable that tanners will not only repeat it, but even go ahead of that craze. We can only give the situation as we find it, and leave the reader to form his own conclusions, and if he can get them anywhere near the actual condition he will be fortunate. We quote:

BUFF HIDES, 40 to 60 lb, 9c. for No. 1s and 8 $\frac{1}{2}$ c. for No. 2s. Several thousand have been sold at the above figures, and it is even reported that tanners have paid that for hides not yet in sight.

EXTREME LIGHT HIDES, 25 to 40 lb, are held at same as buff, though there is but little demand for them at the prices asked.

NATIVE STEERS, 60 lb and up, 8 $\frac{1}{4}$ @9c. for No. 1's, and 8c. for No. 2's.

SIDE-BRANDED STEERS, 60 lb and up, 7 $\frac{1}{4}$ c. flat, but no sales.

HEAVY COWS, 60 lb and up, are not much called for. The stocks on hand are small; 9c. for No. 1's is the asking figure, and 8 $\frac{1}{2}$ c. for No. 2's.

SIDE-BRANDED COWS, 6 $\frac{1}{4}$ c. flat.

NATIVE BULLS sell slow, with quotations of 7@7 $\frac{1}{4}$ c. for No. 1's and 6@6 $\frac{1}{4}$ c. for No. 2's.

CALFSKINS, 7 to 15 lb, are stronger and 10 $\frac{1}{4}$ @11c. is now asked for No. 1's, and 9@9 $\frac{1}{2}$ c. for No. 2's. A sale of 3,000 was made at 10 $\frac{1}{2}$ c.

KIPS, 15 to 25 lb, have been in better demand at the advance, and now 9 $\frac{1}{2}$ c. is asked for No. 1's, and 8c. for No. 2's.

DEACONS have not shared in the general advance, and we still quote 40@45c.

SLUNKS, 20@25c.

HORSE HIDES, \$2.75@\$2.85, with demand mainly for export. There has not been the advance in horse hides to correspond with other hides for the reason perhaps that they nearly all go for export, and the season is now at hand when the German tanners usually get large quantities from Russia, and if the supply from there is up to the average, it will tend to keep prices from going much if any higher.

SHEEPSKINS and PELTS have met with fair demand, and a good many small lots have been closed out.

BUFFS, 40 to 60 lb, No. 1's, 9; buffs, 40 to 60 lb, No. 2's, 8 $\frac{1}{2}$ ; extreme light, 25 to 40 lb, No. 1's, 9; extreme light, 25 to 40 lb, No. 2's, 8 $\frac{1}{2}$ ; native steers, 60 lb and up, No. 1, 8 $\frac{1}{4}$ ; native steers, 60 lb and up, No. 2, 8; side-branded steers, flat, 7 $\frac{3}{4}$ ; heavy cows, 60 lb and up, No. 1, 9; heavy cows, 60 lb and up, No. 2, 8 $\frac{1}{2}$ ; side-branded cows, flat, 6 $\frac{1}{4}$ ; bulls, No. 1, 7@7 $\frac{1}{4}$ ; bulls, No. 2, 6@6 $\frac{1}{4}$ ; calfskins, No. 1, 10 $\frac{1}{4}$ @11; calfskins, No. 2, 9@9 $\frac{1}{2}$ ; kips, No. 1, 9 $\frac{1}{2}$ ; kips, No. 2, 8; deacons, 40@45; slunks, 20@25; horse hides, No. 1, 275@285; horse hides, No. 2, 175@185.

## NEW YORK.

GREEN SALTED CITY HIDES.—We might sum up this market by saying that no one at the present time knows what the quotations are. We are aware that the readers of the National Provisioner expect us to always know the correct prices and to give them to the reader. One salter that is known to have several beds of native hides on hand refuses to offer any at any price, claiming that they will go much higher than even the price that others are asking. Other salters offer, but their figures are so far above the ideas of the tanners that sales have not resulted. But very few hides have been sold in this market for two weeks, and in that time hides have been accumulating, and the question uppermost in the minds of both holders and tanners is, who will hold out the longest, the salters or the tanners? Salters as a rule don't like to accumulate too many hides, as it not only ties up a great deal of money, but with large stocks on hand the chances of high prices diminish. We give quotations which are, however, only nominal, as they are asking prices far above what sales have been made at in most cases.

No. 1 NATIVE STEERS, 60 lb and up, 10c., and one car was sold at that figure, and reports of several cars at same figure, but the report seems to have but little backing. There are more native hides held here than for any time in several months, yet at lower figures they would all be taken.

BUTT-BRANDED STEERS, 60 lb and up, 9c., but no sales to make that quotation good.

SIDE-BRANDED STEERS, 60 lb and up, 8c., but no sales.

COWS are held at 9 $\frac{1}{2}$ c.

BULLS, 7 $\frac{1}{2}$ @8c.

COUNTRY COWS are now held at 8@8 $\frac{1}{2}$ c.

and in some cases 9c. is asked for cows selected.

CALFSKINS.—There is a good demand for fresh taken-off skins on a basis of 13@14c.

selected trimmed skins.

HORSE HIDES.—There has been more demand for horse hides, but prices have not shown much advance. The main call is for export, as domestic tanners buy but very few. We quote \$2.75@\$2.85.

CATTLE and HORSE TAILS are in better demand at full prices. Of late there has also been a considerable demand for horns.

Native steers, 10; but-branded steers, 9; side-branded steers, 8; cows, flat, 9; bulls, flat, 7 $\frac{1}{2}$ @7 $\frac{3}{4}$ ; country cows, No. 1, 8; country calfskins, No. 1, per lb, 13@14; country calfskins, No. 2, per lb, 11@12; horse hides, 275@285.

## BOSTON.

HIDES.—There has been a bustling for buff hides, and since a tanner of union leather bought a large lot at 9c., that has seemed to firmly fix that as a quotation, so that we quote buffs 9c. strong.

NEW ENGLAND HIDES are firm at 8@8 $\frac{1}{2}$ c., with a small supply.

CALFSKINS are strong, with prices tending upward.

Buff hides, 9; New England hides, 8@8 $\frac{1}{2}$ .

## PHILADELPHIA.

As in other hide centers, the dealers here are all at sea as to what prices to ask, though it cannot be said the market has been active, as the advance in quotations has unsettled the trade. We quote nominally steers 8@9c., cows country, 8 $\frac{1}{2}$ @9c.

CALFSKINS.—There has been but little doing, though prices are firm.

SHEEPSKINS.—Good fresh taken-off skins are in good demand at 50@55c.

Country steers, 8 $\frac{1}{2}$ @9; country cows, 8@8 $\frac{1}{2}$ ; country bulls, 7.

## SUMMARY.

The hide market is very strong, so far as asking prices are concerned, but sales have been few on the latest advance. It has come to a point where tanners seem to realize that they are getting very close to repeating the experience of 1895, and their remembrance of that period is not pleasant. The packers will no doubt continue to pile on  $\frac{1}{4}$ @ $\frac{1}{2}$ c. over each sale, so long as tanners will come in and take the hides at the prices asked. Hides being a by-product, higher prices will not increase the quantity, so that it is well for tanners to consider that point and to ask themselves where their profit is to come from, or how they are to save themselves from actual loss. On the other hand, dealers may well ask, it is wise to put prices above a legitimate point? Already we know that hides are being offered from England and the Continent, though they have no surplus, but if our market gets so far above legitimate prices the hides of the world will be attracted here. Cow hides are so far above previous years that the wonder seems to be that any tanners can be found with enough courage to put his money into them. Take buff hides that but a short time ago the dealers were anxious to sell at 6 $\frac{1}{2}$ c., now 9@9 $\frac{1}{2}$ c. No such advance has been made in leather as would be required to meet this tremendous advance in the raw material, and it does not seem probable that tanners will continue to purchase at these steadily advancing figures. Already some of the ablest tanners in the country have stopped buying and say that they will remain out of the market until the prices of hides and leather get nearer together than they are at present.

Viewed from any point, it seems unfortunate that there has been such a rapid advance as should tanners take hold at the prices now asked they must do so at their peril, with only a possible chance of leather going to a point that will save them from loss, much less a profit. A New York City broker has been for several days offering several good-sized lots of Chicago country hides in the New York market without finding purchasers. This is a straw that may cause some to think before making any further advances. At the same time that these Chicago hides are being offered in New York, Chicago dealers are giving out the information that they are already sold up. There are some things in the present situation that are worth watching, and we venture the opinion that the dealer that sells at present asking prices may well pat himself on the back as having done a good thing. Time will tell.

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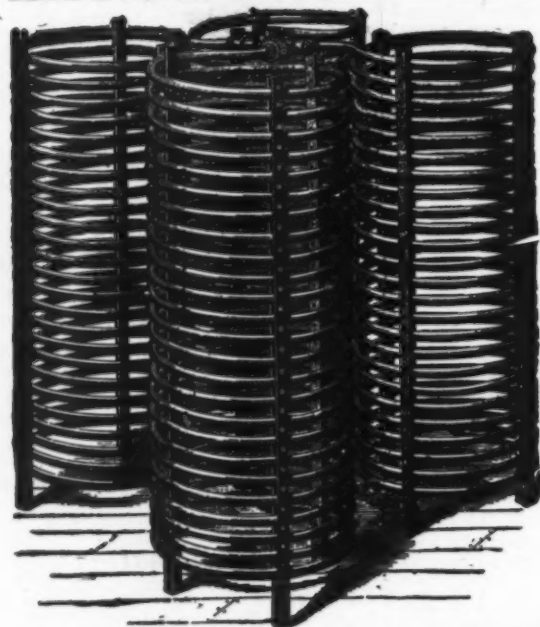
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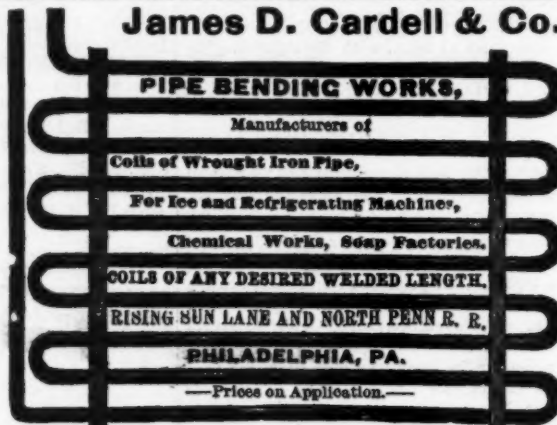
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SEE COUPON PAGE 27.

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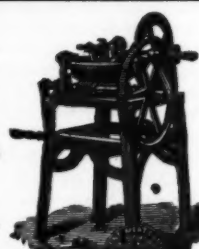


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## CHICAGO.

(MALLORY, SON & ZIMMERMAN CO.)

(Written especially for The National Provisioner.)

**HOGS.**—Receipts of hogs this week were comparatively liberal, about 190,000 head, and the quality better than any week for some time. The improvement in the quality and receipts is due to the season of the year and the liberal supplies coming from this year's crop, from Wisconsin, Eastern Iowa, Minnesota and Illinois, where the swine plague has not interfered with natural conditions. The receipts the first half of November do not indicate any increase over last month, but the packers are still figuring on heavy supplies in the near future and were able to bring about a little reaction in prices. The shipping, fresh meat and pickled meat demand continues good, and with the general business situation improving, giving employment to more people, together with the better prices prevailing for cattle, sheep and grain, we do not discover any very sharp or permanent decline in hogs for a while at least. The provision market remains quiet and without much change, prices for provisions being relatively lower than hogs and until there is an advance in the provision market we would not advocate higher prices for hogs. Light and medium weight hogs are still commanding good premiums over heavy and packing grades, and prices at country points are generally too high to admit of a profit to the shipper. Prices at Eastern and Western markets have been well sustained, and interior packing points are competing for the hogs. The South will liquidate their hogs freely until the supply is well exhausted, which should afford us a better demand for hog product later in the season. The export demand is smaller, as usual at this season of the year, but the volume of shipments is still large. We are liable to have fluctuations in the market for a while, until the trade generally finds that the supply of hogs is not going to be as large as many expect. But at present or lower prices we should have a large demand, although we still advise working on a conservative basis until the trade becomes more settled.

**CATTLE AND SHEEP.**—The cattle market has been very satisfactory and prices advanced 15¢/25c. on nearly all grades, reaching the highest point of the season during the week. The receipts are only moderate and the outlook still encouraging.

With liberal receipts of sheep and lambs, the demand since the election was decided has been active and prices are 15¢ to 25¢ higher, fat sheep selling at \$3 to \$3.75; fat lambs, at \$5 to \$5.50.

**CHICAGO MARKET LETTER.**

The Northwest is having those small receipts which we predicted last week, and they are being intensified by bad weather, but they will be large again pretty soon and fully up to the requirements for the mills. Very high authority on the N. W. crop figures that because of our big receipts they will be that much smaller later on, but we have not even on small crops received less than 40 millions at Minneapolis and Duluth after November 1, and will receive at least that much now and as it will be nearly all for export in shape of wheat or flour, and as we could take 40 millions out of the visible supply, we can figure on 80 to 85 millions for export from those sources alone, assuming that receipts at other points will be equal to supply local milling demand. The amount of wheat available is to be increased further by the amount of old wheat back in the Northwest, which is all the way from 25 to 50 million bushels, and of which we have taken no account, as we have assumed that the receipts so far have been from the new crop of 120 million, which is not true, as a very large proportion has been old wheat.

In regard to the European supply it is well to remember that even there the shortage is prospective and theoretical, for 81 million in sight is a very large amount and has only been exceeded a few times. The crop killer is generally overestimated, and when he is done, we generally find that the world's crop does not change 5 per cent. from year to year, and that amount is easily covered by a small measure of economy when substitutes are so plenty as they are now.

Lower cables gave us a weak opening, but there was a good deal of wheat to be bought on account of the failure of a New York grain house, and when that was over a slump took place down to 78½ for December, from which point a steady rise took place, due to better cables and the usual bull news. The sentimental buyers above 80 sold out below 80 and sold short and then went long above 80 again, so we need no special news to give us fluctuations. California opened 2 lower.

Corn is getting weak. The Government report came up to expectations, and we can easily export 500 million bushels if transportation could be had and it was wanted.

ROBT. LINDBLOM.

## KANSAS CITY LIVE STOCK REPORT.

The Live Stock market for past week gives cattle, hogs and sheep fairly steady in prices.

Receipts of cattle	Kansas City past week	18,456
do do	corresponding week in 1895	20,172
do do	do do 1894	16,466
do do	do do 1893	12,360
do do	do do 1892	10,954
do do	do do 1891	5,690
do do	do do 1890	8,707

Receipts in Chicago, St. Louis, Omaha and					
Kansas City for past week.....					
					76,600
Same cities corresponding week 1895.....					
					121,310
..	..	..	..	1894.....	122,500
..	..	..	..	1893.....	146,300
..	..	..	..	1892.....	141,100
..	..	..	..	1891.....	136,000
..	..	..	..	1890.....	131,900

	Cattle.	Hogs.	Sheep.
Armour Packing Co.....	5,743	13,199	5,628
Swift & Co.....	6,267	8,326	6,099
Schwarzschild & S. Co. ....	3,417	1,712	2,497
Jacob Dold Packing Co.....	574	4,022	286
Geo. Fowler, Son & Co.....	210	2,920	

Total.....	16,211	30,179	14,509
Slaughter for previous week..	24,617	43,767	7,611
Slaughter corresponding week in 1895.....	19,996	48,605	5,973
Slaughter corresponding week in 1894.....	25,503	48,879	5,670

The commission men, wise in their generation, warned their patrons to curtail in a good measure their shipments during the Presidential week contest. Acting on this advice the farmers did not overcrowd the Kansas City market—the shortage in receipts this past week, compared with that of 1895, showing about 10,500 head of cattle. The shortage for the four markets being near 45,000 head of cattle. The present week bids fair to have receipts fully equal to 1895.—And now comes the question—the confidence of the country being fully restored to the business community, the currency question settled, and money freely offered for all legitimate commercial uses—will the cattle men do as they so often said they would do under such circumstances: hold back the cattle for higher prices? Plenty of meal in Texas, and no end of corn in Kansas, Nebraska and Missouri, never such abundant corncribs to the feeder's and speculator's hands, and it is very pleasing to note the passing of the old reckless, wasteful, devil-may-care sort of range feeding that has cursed the wild and woolly West for the last thirty years. There is a start in the right direction, a start that bids fair to revolutionize the winter keeping of cattle on the plains; besides filling the pockets of the men keen enough to realize such advantage. Formerly the vast herds of Western cattle were allowed to roam at will, and go wherever the storm drove them during the long winter months. The loss in some years was frightful to contemplate. A rich man in the fall often was a pauper in the spring, with nothing to show for his herd of cattle but a tainted shed of a hide and bleached bones. Cattle would drift hundreds of miles before a storm, and perish like flies for lack of grass and feed of any kind. Often the winter would be mild, and the cattle show fairly well, though thin and bony, the owner would feel pretty good; then would come a sudden spring blizzard, the cattle already weak could not stand such, and they would perish by the thousands just as the green grass began to start. Now ranch men are making home lots, they are piling up hay, and they propose to

have the cattle driven to winter quarters, plenty of water from the wells, and plenty of hay. This will pay them well, will reduce the loss to a trifle, and bring the cattle out in such condition as to take advantage of the early grass, thus building up the animal, and send good fat beef to market and not "trash and canners." Texas also is coming to the idea of small ranches, irrigation, alfalfa, improving the breed. There are millions in it! With the blessings of irrigation and alfalfa, the great American desert will be a myth. Here is a scheme better than any gold mine for the Eastern gold bug, and will in a few years give him a princely income for the outlay.

Taking the number of cattle received, the fat cattle offered for sale in fair supply during the past week. The highest price paid for some 1,639 lb average was \$4.39, some 1,508 lb and 1,450 lb average, \$4.65. There was a fair run of desirable light and medium weight cattle and some choice short fed Colorados. A very good article for \$4. Cows in fair supply from \$2.10 to \$3.10. Well fed Western steers from \$3.50 to 3.95; cows from \$2.50 to \$2.85. Some rough Western steers going as low as \$2.00. Texas steers in moderate supply going as high as \$3.85. Cows going to \$2.50. Exporters purchased and sent to New York some 64 cars, against 73 cars one year ago. The principal purchasers of cattle last week: Eastman, 818; Cudahy, 665; Hammond, 281; Michael, 310, and St. Joseph Packing & Provision Co., 242. Not many feeders on market, what came found ready purchasers, and for a bunch "to short feed" the fancy price of \$3.95 was paid. The bulk brought over \$3.50. Only 156 cars of feeders sent to country, the smallest amount for many months, one year ago corresponding week gave 343 cars. Presidential week to blame in this matter.

Receipts of hogs Kansas City for past week.....		30,910
Receipts corresponding week, 1895.....		51,246
1894	1894	54,086
1893	1893	28,569
1892	1892	43,420
1891	1891	78,797
1890	1890	84,700

Receipts of hogs Chicago, Omaha, St. Louis and				
Kansas City for past week.....				160,300
Same cities corresponding week 1895.....				324,200
cc	cc	cc	cc	1894.....325,500
cc	cc	cc	cc	1893.....193,800
cc	cc	cc	cc	1892.....215,600
cc	cc	cc	cc	1891.....355,100
cc	cc	cc	cc	1890.....162,000

Receipts of sheep in Kansas City past week...				18,456
"	corresponding week 1895.....			20,172
"	"	"	1894.....	16,466
"	"	"	1893.....	12,360
"	"	"	1892.....	10,954
"	"	"	1891.....	5,690
"	"	"	1890.....	8,707

Receipts in Chicago, St. Louis, Omaha and Kansas						78,100
City for past week.....						97,600
Receipts same cities corresponding week 1895..						108,800
cc	cc	cc	cc	cc	cc	1894..
cc	cc	cc	cc	cc	cc	1893..
cc	cc	cc	cc	cc	cc	1892..
cc	cc	cc	cc	cc	cc	1891..
cc	cc	cc	cc	cc	cc	1890..

As usual Western sheep had the call, the larger bulk from Western ranges, and even though a Presidential voting week, it is well to notice that while fogs fell off comparing the corresponding weeks of 1885 and 1886 just one-half, with cattle 40,000 short, sheep only fell off 20,000 head in the four large cities; and while the shortage of Chicago shows 21,100, Kansas City only 1,700. Native lambs readily sold at \$4.40. Some choice Utah lambs \$3.75. Choice New Mexican muttons sold at \$3.05. Some Texas fed muttons at \$2.75, and Texas grass fed muttons at \$2.50. A mixed lot of New Mexican averaging 70 lb, sold at \$2.35. For anything fed for packer use there was a good, quick demand, even feeders were driven to slaughter pens, owing to small supply for the demand. Feeders were scarce. On the whole the market very satisfactory.

**A HEALTHFUL SIGN OF THE TIMES.**

As an instance of the revival of business in many lines during the past week, we would cite Messrs. H. Wm. Dopp & Son, the well known soap and butchers' machinery firm of Buffalo, N. Y., has booked several important orders. One of these was for two of their well known 1,500-lb remelting crutchers—description of which appeared in a recent issue of "The National Provisioner"—the purchasers being the S. D. Larkin Manufacturing Company, of Buffalo. The H. Wm. Dopp & Son firm have special reason to be proud of this order, as it is a tribute to the excellency of the machine referred to, seeing that the Larkin Manufacturing Company have had three of these machines in operation previously.\*\*\*



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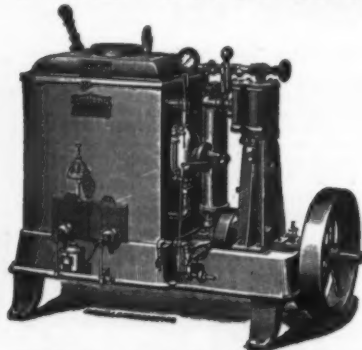
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**TIPS ON THE MARKETS.**

F. C. Logan, Chicago, reports wheat in this market has been a laggard, drawn by the force of foreign buying and aided by the push from strength in sister markets when each demand was urgent and by the orders from millers and shippers which came here. In a speculative way a singular and unusual condition has existed in that no large short interest has been obliged to corner this large advance, it being entirely impelled by legitimate influences and conditions. The northwestern receipts, shut off almost entirely at present by the heavy storms, are largely over, as good judges estimate 60 to 70 per cent. of the crop has been marketed, and the milling demand at present ratio would require the balance. To-day's weakness is caused by setback in Liverpool quotations, and this in turn caused by heavier offerings from Russia, which if continued will affect our market and the world of speculators and consumers, cheapening the price at least temporarily, but the outcome, if our present ratio of exportation is to be anywhere near maintained, the balance of crop year, domestic conditions and needs will call for what remains at present or better figures. Active markets will be in order and golden opportunities for money making for operators with money and judgment who will only buy on weak spots and favorable opportunities, taking profits when the rest of the world are talking \$1 a bushel the next day or two.

In provisions, packers having small stocks are naturally against the price, and the outcome of the January run of hogs we anticipate will prove liberal, the very abundant corn crop furnishing the foundation. For the present we do not look for any large advance in product and the year 1896 will possibly go out without a great appreciation in price. With, however, 150,000 men already put to work in the mills and factories of the country since election, it seems reasonable to look for an increased domestic demand for meats, tending at first to steady and with present continued foreign demand to advance the prices of product to some extent.

F. G. LOGAN.

In discussing the wheat market, Robert H. Kelly & Co. say: "We are advising our clients to sell their holdings on all sharp advances for the next few days. We have done this on the theory that the December liquidation will have a depressing influence. We do not look for a material break, although thinking the liquidation will be rather heavy. The situation is too strong to permit of a big slump, but the price cannot make much headway with liquidation pressing."

Of provisions the above firm has a good opinion, saying: "Hog products are all too low. There are reported to be heavy shorts out in pork and we look shortly for an evening-up that will cause a rally in price. We favor the purchase of lard, ribs and pork anywhere around current figures."

Norton & Worthington say of wheat: "Lower cables prove an effectual check to the bullish feeling here and started numerous holders to realize, which resulted in a net loss of 2c. for the day. There was also considerable selling on the report that the Liverpool "Corn Trade News" stated that the official Russian report showed the wheat and rye crop as having turned out better than expected. Outside of cables other news was bullish. Cash

(Continued on page 19.)

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**COTTONSEED OIL.**  
WEEKLY REVIEW.

THERE HAS BEEN A DULL but gradually hardening market for all grades of cotton oil the past week, though no general activity has yet set in, crude oil in tanks at the South alone having shown much business, up to the present writing. This, too, in face of continued liberal production throughout the South, and considerable accumulations of crude oil reported, although on this latter point there is a diversity of opinion. President Butcher, of the Southern Cotton Oil Company, admits that the mills are generally running and that production is up to the maximum, so far this season, while Mr. Oscar Flash, of the American Cotton Oil Company, admits that there are accumulations at the mills on the Atlantic coast, as well as in the Mississippi Valley and Texas. On the other hand, Mr. Taintor, representing the Kentucky Refining Company, and Mr. Long, of Hopkins, Dwight & Co., doubt if there is any considerable accumulation, at any of these points, claiming that the Mississippi Valley and Texas mills have been delivering their current production on old contracts to Western compound lard refiners and soap makers, and that this accounts for those mills having been out of the market for crude for some time past, which compelled the Western refiners and soap makers to draw on Atlantic coast mills, for their recent purchases. That this latter is the fact, and that no business has been reported from either the Mississippi Valley or Texas for some time past, while a good portion of this week's business at Southeast Coast mills has been for Western account, cannot be denied. But this latter is explained in part by the fact, as stated by the same parties, that freight rates from Georgia and Alabama to the West, are cheaper than from Mississippi Valley and Texas points. Early in the week there were sellers in East Coast sections at 18c. for crude in tanks, but midweek that price was more freely bid and 18½ asked, with more liberal sales at both prices, of which less than half was reported for refiners in the East. As to the condition of things at the South, it is admitted that seed is being obtained without difficulty at late prices, but the leading companies are disinclined to give figures by localities, owing to the difference in freight rates, but admit that the range is the same as has lately prevailed, ranging from \$7 to \$11 per ton, at station, according to the rates of freight. The recent stringency in money would seem to favor the contention of those claiming that stocks South are light, although easier now, with little difficulty in obtaining money on cotton oil; yet this latter condition of things, has only come about within the last week, and would hardly admit of accumulations during that period; and if they have been made, it must have been done during the money stringency. At all events,

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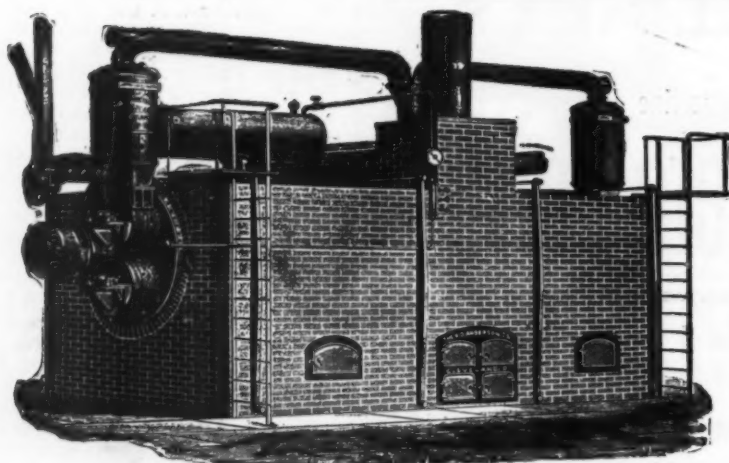
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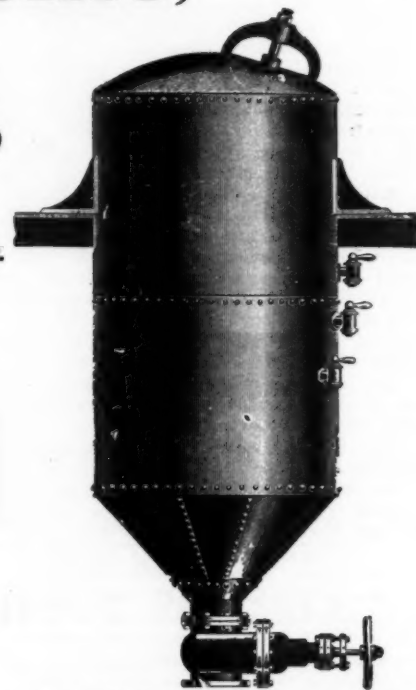
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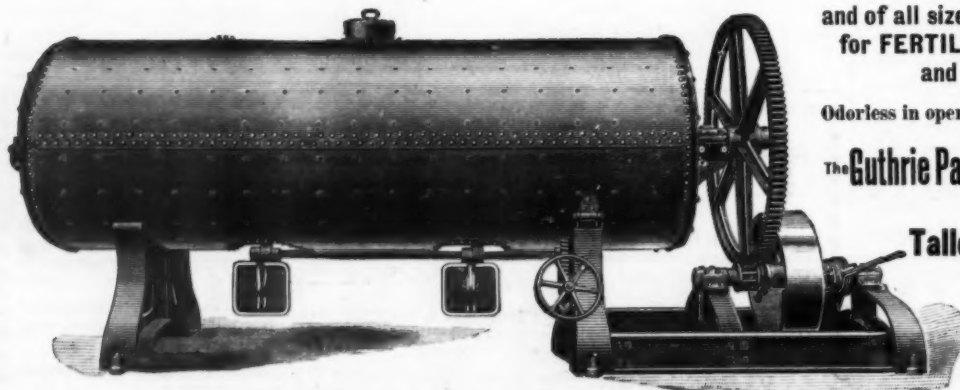
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there is no pressure to sell, and, if accumulations have been made on a tight money market, they are more than likely now to be held firmer, on an easier one; and the prospect is, therefore, rather in favor of higher than of lower prices, in the near future, as neither the refining nor soap interests have bought but little, until this week for some time past, and are liable to be in the market for considerable amounts, in the near future, even though the demand for compound lard has not improved; and, in face of the fact that raw lard has declined. As to the demand for refined oil, it has hardly yet kept pace with crude, as nothing but broken lots had been reported until Wednesday, when 1,000 bbls. were taken for the first time in one day, for some two or three weeks. This demand, though small, has come from exporters, who have been bidding 25½¢ for prime summer yellow, since the latter part of last week, while they could find few sellers below 26, unless it may have been an occasional lot on the dock that had to be removed. The indications are that the foreign markets are on the point of coming in again, for renewed supplies, notwithstanding the extreme high rates of ocean freight and a scarcity for shipment this side of January. There have been some small orders in the market also for white and butter oils, which have been held with more firmness, as the week advanced, while crude in bbls. at New York has gained 1c. since our last. There has been nothing new in the cotton crop situation affecting the cotton oil market, although few recognized authorities agree in their estimates of the crop, the smallest of them only equalling last year's crop of a little over 7,000,000 bales, while the most bearish estimates run well up toward 9,000,000 bales; though upon what basis they figure this increase, over the late accepted 7,500,000 to 8,000,000 bale estimates is not clear to outsiders. At all events, the holders of seed and of cotton oil have not been affected in the least, by these increased estimates, and it can be taken as safe to regard the crop situation unchanged, from that upon which the present basis of cotton oil has been established.

On Saturday crude in tanks at Atlantic coast mills was nominal at 18½¢/18¾¢ f. o. b. cars; crude in New York, 22c., nominal in bbls. and prime summer yellow 25½¢ bid and 26 asked, with 500 bbls removed at 25½¢, at which 100 bbls. good off yellow were sold.

On Monday the same quotations remained nominal in New York, while 9 tanks were reported at 18½¢, all to go West from Atlantic coast mills, mostly in the Southwest, for soap makers and compound lard refiners. Yellow held at 26½¢/26¾¢ and 25½¢ bid, with no reported sales.

On Tuesday 2 cars more were taken at Atlantic coast at 18½¢, to go to New York, with further sales reported on that basis for other Eastern refining centers, while 400 bbls. of prime white were taken at 29c. and 300 butter oil at 28½¢/29c. in New York, with crude bid 22 in bbls. and 23 asked, and prime summer yellow 25½¢ bid and 26 asked; 18½¢/19 was bid and 20c. asked for tank crude at Mississippi Valley mills, with more offering, as well as in Texas at 18½¢, with 17½¢ bid.

On Wednesday 3 cars of tank were reported as low as 18c., but the location of the mills was not given, and 3 tanks more were taken at Atlantic coast at 18½¢, which was the

market, all said to be for Eastern refiners, at seaboard points. Sales of small lots of crude in bbls. were made at New York, at 23c., and 1,000 bbls. of prime summer yellow prompt shipment, export at 26c., with further orders reported in the market at that figure and sellers less free in their offerings.

Thursday's markets were firm but quiet, as holders offered less freely at old prices, or asked more, checking business in refined, while crude at the mills was unchanged and perhaps not so firmly held, as 4 tanks were sold, said to be at near coast mills, at 18c., against ½¢ more earlier in the week; yet no one quoted the market off, and it may have been at some high freight point, as 18½¢ was generally asked at near coast mills, 20c. at Memphis, 18½¢ in Mississippi Valley, 18c. in Texas, which indicated a little weakening only in the two latter localities; 500 bbls. prime summer yellow were sold also at New York at 26c., which was said to be bid, and little offered at that. Crude in barrels at New York held at 23c., with a small trade at that figure.

Friday's markets were active and stronger on refined, opening with sales of 500 bbls. prime yellow, prompt, 26c.; 500 December do., 26½¢, and bid for more, with 27c. asked and more interest in the market speculatively than for some time. While crude at mills was irregular, 4 tanks being reported at Southwest coast mills at 18½¢, though 18c. was quoted at high freight points, nominally, with 5 to 10 tanks at low freight points, part recently at 19c., most of which was for Eastern account and New York. There was bidding at 26½¢ December at the close, and further sales pending and likely to go through.

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SUMMER { White (1/3 Oil.  
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WINTER PRESSED { White C/S Oil.  
                          { Yellow C/S Oil.

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TANK CARS FURNISHED FREE FOR SALES OR PURCHASES.

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"SNOWFLAKE" PRIME SUMMER WHITE. This oil is prepared especially for Lard Compounders; is sweet and wholesome, being bleached without a particle of acid. A trial means you will use no other.

"ECLIPSE" BUTTER OIL. A strictly choice Vegetable Oil, selected and prepared especially for Butter Manufacturers; equaled by none other for quality and uniformity.

"DELMONICO" COTTON OIL. This brand of Cooking Oil needs no introduction; speaks for itself, and for Culinary Purposes is synonymous with finest.

"NONPAREIL" SALAD OIL. A strictly Winter Pressed Oil, prepared expressly for Druggists, Culinary and Salad Purposes; guaranteed to remain bright and limpid at 32° Fahr.

"KENTUCKY REFINING CO.'S" WINTER PRESSED OILS. Guaranteed pure and to remain bright and limpid at 32° Fahr. The very best made for any climate.

Quotations furnished upon application.

KENTUCKY REFINING CO.,  
2017 to 2033 Shelby Street, LOUISVILLE, KY.

Cable Address: "REFINERY," LOUISVILLE

LOUIS K. FERGUSON, President.  
CLEMENS G. HEWITT, Sec. and Treas.

# GLOBE REFINING CO.

REFINERS OF

COTTON OIL.

CABLE ADDRESS,  
"GLOBE, LOUISVILLE."

Louisville, Ky.

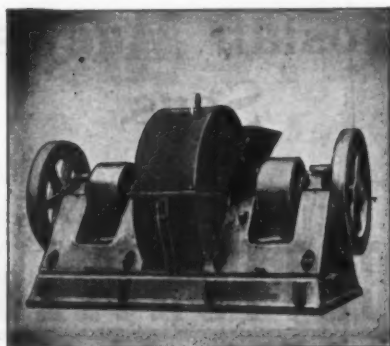
# Prime Summer White

FOR LARD COMPOUNDING.

Quality Guaranteed. All Other Grades of Cotton Oil.

DIAMOND FULLING AND SCOURING SOAP.

Obtain our prices before buying.



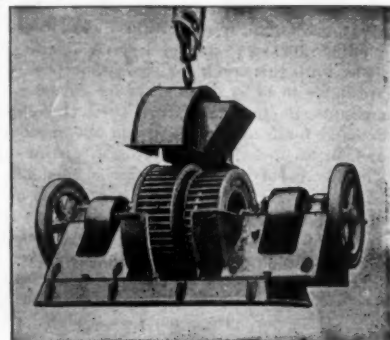
## "Stedman's Disintegrators" ARE THE BEST

Are used by nearly every large packing house and fertilizer establishment in the United States. References:

Armour & Co., Chicago and Kansas City.  
Swift & Co., Chicago, Kansas City and East St. Louis.  
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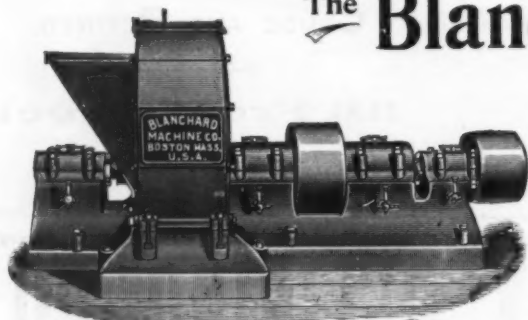
Write for Catalogue and full Descriptive Matter.

We manufacture machinery for equipping complete fertilizer plants, consisting of Disintegrators, Bone Breakers, Mixing Pans, Screening Elevators, Engines, Boilers, Shafting, Pulleys, etc.



Stedman Foundry and Machine Works, AURORA, IND.

## The Blanchard Disintegrator



WILL GRIND Bone, Glue, Glue Stock, Guano, Meat Scraps, Oyster Shells, Tankage, Soap Powder, Soft Phosphates, Sheep Skulls, or any friable material. The lubrication and dust proofing have been lately perfected, and the machines will do heavy work with ease.

Write for our 1896 Catalogue.

BLANCHARD MACHINE CO., 303 Congress St., BOSTON, MASS.

## THE SCIENTIFIC BONE AND SKULL CRUSHER



WE MAKE THREE SIZES OF

**CRUSHERS.**

A FULL LINE OF  
Crushers and Grinders

AND  
Attrition Mills  
FOR FERTILIZER AND  
OTHER MATERIALS.

WRITE US.

A Very Strong and Powerful Machine.

Will crush all sizes and conditions of bones, including skulls, whether they are raw, dried or steamed, doing the work rapidly and well, from 3 to 5 tons per hour.

The Largest Concerns in the country are  
using our Crushers and Grinders.

SEND FOR TESTIMONIAL LETTERS,  
CATALOGUES, PRICES, ETC.

THE FOOS MFG. CO.,  
SPRINGFIELD, OHIO.



**TIPS ON THE MARKET.—Continued.**

wheat maintained its premium in all markets, and there was an active demand for it everywhere. Duluth wired us that winter wheat millers were buying very freely in that market, and that local millers were paying 1½ over December to supply their wants. As previously noted in these letters, we can only repeat that this is a great broad market and 2 or 3c. fluctuations are liable to occur any day. The legitimate position, however, continues strong, and we believe it is a purchase on all breaks."

**CORN** followed wheat up yesterday and naturally declined with wheat to-day. Receipts getting very small, only 94 cars to-day and 117 cars estimated for to-morrow. We are still above an export or seaboard shipment value, but on the weak spots around present prices for December or May, we feel like advising purchases. Small receipts invariably stiffen the market after a little time.

**OATS** dull, closing for December only 6¼ under December corn. We think this difference too small, but speculative sentiment in oats is just now more bullish than in corn.

**PROVISIONS** shade easier, but fairly steady considering the heavy receipts of hogs at the 7 points, 87,000, compared with 82,000 a year ago. There is nothing new in the situation. As frequently stated, the market seems on a healthy basis, although it may drag a little lower under the big hog receipts, unless the advance in wheat results in increased speculation buying, which would be only natural.

(For other Chicago matter see page 29.)

**NEW YORK PRODUCE EXCHANGE NOTES.**

Mr. T. A. McIntyre, of the firm of McIntyre & Wardell, and Mr. Frank Brainard were tendered a complimentary dinner at the Hotel Netherland on Wednesday evening. Mr. McIntyre sails for Europe on Saturday by the Umbria, rest and recreation being the sole object of the trip. That he bears with him the good will and cordial wishes of his host of friends goes without saying. A large number of gentlemen sat down to enjoy the good things a liberal board afforded, among whom were Mr. David C. Link, W. A. Nash, president of the Corn Exchange Bank; Edward Rice, I. S. Thayer, Frank Comiskey, Carl Doier, C. F. Tietjen, president West Side Bank; A. S. Kirkman, Frederick Goldsmith, V. Loeser, A. Lister Heyer, Ed. Valk, and W. W. Merrill. The toastmaster was Mr. L. H. Spence and the evening was spent in the most enjoyable manner. The dinner was tendered by the gentlemen named, personal and business friends of Mr. McIntyre and Mr. Brainard, as a token of the appreciation of services rendered in the recent sound money league and parade, and of sterling worth and upright dealings generally. The room was handsomely decorated with American flags, while the table was embellished with yellow adornments representing the triumph of gold. The menus were artistic and unique—terrapi from Maryland; 18 carat ice cream and royal punch with our Bill (McKinley), game (Hanna); White House salad and asparagus from New Jersey; compliments of Garret (Hobart), etc., etc. Afterdinner speeches followed, all heartily, joining in the patriotic sentiments expressed.

Prices of membership tickets are practically unchanged. No trading worthy of note has transpired. Quotations are nominally \$200, but higher prices are confidently expected.

Hides are quotably higher at the close of the week than at any previous period during the year.

Among the visitors we observed on the floor during the week were Wills. A. Seward, New Jersey; Alexander Nichol, Chicago; C. Wilson, of the New York and Hull line of steam-

ers; I. A. Edwards, Chicago; Walter Richter, Hamburg, and Henry M. Rallston, Chicago.

Mr. G. Rae Callender, principal of the large American importing house, under the style of Jonathan Robinson & Co., Liverpool, England, is visiting this country and has favored the floor with his presence on several occasions during the week. The firm has been for thirty years heavy purchasers of American cotton cake and we predict for Mr. Callender a warm welcome in the various parts of the country where he purposes visiting.

Among the genial members of the provision corner it is a matter for general comment that provisions have not responded to the improvement noticeable in cereals and other products.

George C. Dobell, of the firm of that name of London and Liverpool, is visiting the United States. His house has long been known as a leading oil cake importer.

**ROTTERDAM OLEO REPORT.**

The following sales were cabled for week ending November 14, 1896:

- Nov. 3. Monarch sold at 41 florins.
- " 5. Harrison (100/150 tcs.) sold at 43 florins.
- " 6. Monarch sold at 37 florins.
- " 6. Brilliant Extra sold at 37 florins.
- " 6. Midland sold at 37 florins.
- " 7. Harrison (33/50 tcs.) sold at 43 florins.
- " 9. United sold at 41 florins.
- " 9. Modoc sold at 40 florins.
- " 9. Nelson Morris Extra sold at 40 florins.
- " 10. Eastman Extra sold at 40 florins.
- " 10. Harrison sold at 40 florins.

Sales for the week, 1,500 tcs.

Nov. 7, stock in first hands, 4,000 tcs.

Stock afloat, Nov. 7.—Per stmr. Urbino, from Balto. October 31, due November 13, 375 tcs.; per stmr. Maasdam from New York, October 30, due November 12, 1,356 tcs.; per stmr. Amsterdam from New York, October 31, due November 14, 856 tcs.; per stmr. Spaarndam from New York November 7, due November 19, 1,454 tcs. Total, 4,041 tcs.

Nov. 7. London Cable Reports: Butter—Market declining. Margarine—Market quiet and steady.

Imports into Great Britain for week ending Oct. 31, 1896: Butter, 62,928 cwt.; margarine, 24,567 cwt. 1896—butter, 55,000 cwt.; margarine, 20,000 cwt.

**Exports of Oleo Oil to Rotterdam.**

- Nov. 7. Per S. S. Spaarndam.—Eastman, 300; United, 140; Morris, 600; S. & S., N. Y., 149; Swift, 130.
- Nov. 9. Per S. S. Patapasco.—Hammond, 120; Armour, 509.

**Neutral Lard.**

- Nov. 7. Per S. S. Spaarndam.—Morris, 135; Swift, 160.
- Nov. 9. Per S. S. Patapasco.—Hammond, 75; Swift, 65; Armour, 50; Kingan, 280; Chicago Packing, 250.

LATER.—Sales to Nov. 14 are: Harrison, 41 florins; Nov. 12, Modoc sold at 40 florins; Nov. 12, Eastman Extra sold at 40 florins.

**Supplementary Reports.****PROVISIONS AND LARD**

Thursday's markets were active and higher, on less hogs at Chicago by 6,000 than estimated, followed by a sharp advance in wheat, with which provisions sympathized, until shorts became scared and covered, making a more active market than for a week. The total receipts West ran 13,000 behind last year also, and offset the increase of Tuesday and Wednesday noted above. Yet the situation has not changed in the last month; only the sentiment of traders, led by packers, who showed more disposition to cover their short January sales, than for two weeks past. The result was the full day's advance was held, pork closing 12½ up, lard and ribs 5 up and bid. But there was no improvement whatever in spot trade East or West, so far as reported.

In fact, there was no demand at all for cash lard at New York; Western in tierces quoted \$4.52½, cost and freight \$4.47½, tanks 4.27½, city for refining \$4.20½ to \$4.25, iron-bound \$4.60 for Cuba, with but small sales of either; 200 bbls. of pork, 25 boxes of clear

bellies at 5½, with rib ditto ¼ off, as quoted below, and dull as ever, together with hams and shoulders. Hogs were ¼ up in New York and 5 West, with smaller estimates still for to-morrow. Beef hams were held higher at \$16½ to \$16.50, cost and freight New York, but not selling, except in job lots at \$16.50 to \$17.

Friday's markets were steady at West, opening to ease off on 4,000 more hogs than expected and on packers selling in spite of a cent higher wheat market. But Chicago reported a better cash demand for meats, though better for lard. Hogs 5 up Chicago on 20,000 receipts. The close there on futures was 12½ off on pork for day, 5 on lard and ribs, with a late break in wheat. No spot lard reported sold in New York and no demand for export or refining, but quoted lower with West or below. No pork sold, but 2,500 city pickled shoulders at 46½, 2,000 12-lb city pickled hams 8½, 8,000 12-lb rib bellies recently 8½, 10-lb 8½. Packing West for week 250,000, last year 280,000. Hogs New York ¼ off, at 4½ to 5½.

We quote: Western steam lard, \$4.47½; refined, Continent, \$4.80; refined, South America, \$5.25; refined, Brazil, in kegs, \$6.35; compound, for city, \$4¼ to 4½; compound, for Western, 4½; neutral, West, 5½; neutral, N. Y., 5½; city steam lard, \$4.15 bid, \$4.20 asked; pork, N. Y., for new mess, \$8.37½ to \$8.75 for family; including city, \$10 to \$11; pork, for N. Y., clear, \$9 to \$10.50; beef, N. Y., corned and roast, 1-lb cans, \$1.05 to \$1.15; 2-lb cans, \$1.85 to \$2; 4's, \$3.75; 6's, \$6; 14-lb, \$14; mess, \$7 to \$7.50; packet, \$8 to \$9; family, \$9 to \$10; extra India mess, in tierces, \$11 to \$13; hams, West, for new, \$16; cost and freight, N. Y., \$16.50 nominal; job lots, \$16.50 to \$17; tongues, \$20 to \$20.50 large; \$18.50 to \$20.50 small; N. Y. City pickled shoulders, 46 to 47; hams, 8½ to 9; clear boxed, 5½; 12-lb bellies, 5½; 10-lb, 5¼ to 5½; green hams, West, 6½ for 20-lb; 7½ for 16-lb; 7½ for 14-lb; 8½ for 12-lb; California s. p. hams, 4½ nominal; N. Y. s. p. shoulders, nominal; N. W. hogs, 4½ to 5½.

**TALLOW AND STEARINE.**

Thursday's markets were stronger and more active, especially at the West, Chicago reporting 1,000,000 lb choice packer's to local soap makers in that market at 4½c, done the day before. At New York \$3.58 was the nominal market for city, but it could not be bought in lines, and could have been sold in lines at that for export, though ½c. was the open bidding price, without a sale reported, except of country at 3½ to 3¾c., at which 100,000 lb sold to local soap makers.

London sales on Wednesday were 1,000 casks of 2,000 offered, at unchanged prices, but no demand here for the U. K.

Friday's markets were uncertain; some French cannot sell at 3½c. on French markets, while others claim orders at that and unable to buy, and there may be some shorts in market to be covered for November. Shipments, 225 hds, delivered on contract at last price, 3½c., with that bid and 4c. asked by two chief melters.

Thursday's markets were nominal on both lard and oleo East and West at about old quotations, though lower to sell either. Western lard was offered freely at 4½ to 5c., to arrive, with 4½c. the best bid; city at 5¼ to 5½c., and no bids nor a sale reported for the week. Oleo was offered freely East and West at 5½c. and 5c., respectively, without reported bids, while stocks are undoubtedly accumulating, although pressers do not admit it.

Friday's markets were nominal at old prices asked and no bids East or West.

Oils remained wholly nominal on Thursday without a reported sale or quotation from Rotterdam on oleo, though weak and lower.

Friday's markets were down to 40 florins, at which free sales were reported for past day or two, with no particulars.

We quote: City lard stearine at 5½c. now; Western prime do. to arrive, 4½c. bid and 5c. asked; oleo stearine, city, 5½c.; yellow grease stearine nominal at 3½ to 3¾c.; white do., 3½ to 3¾c. nominal; tallow stearine, nominal at 4½c.; oleo oil at New York, 7¼ to 8c. nominal for No. 1, 6½ to 6¾c. nominal for No. 2 and 5½ to 5¾c. nominal for No. 3; at Rotterdam, 40 florins asked; at Chicago, 4½c. bid and 5c. asked for oleo stearine; yellow grease stearine at 3½c. nominal; white do. at 3½c. nominal; tallow stearine at 4½ to 4¾c. nominal.

City tallow, nominal, 3½c. asked, nominal; country, 3½ to 3¾c.; edible, 4c. and for city, 4½c. Chicago prices: Prime packer's, 4½c.; firm and neglected for No. 2 do. at 3½ to 3¾c.; country, prime, at 3½ to 3¾c.; No. 2 do., at 3½c.; renderers' no. 1, nominal.

Brown grease at 2½ to 3c.; yellow, 3¼ to 3½c.; white, 3½ to 3¾c.; bone and soap, 2½ to 3c. for B white, 2½ to 3c. for yellow, 2½ to 2¾c. for B white, 2½ to 3c. for yellow, 2½ to 2¾c. for



# Weir & Craig Manufacturing Co.

2425-2439 WALLACE ST.  
CHICAGO, ILL.

MANUFACTURERS AND  
DESIGNERS OF

## Special Machinery

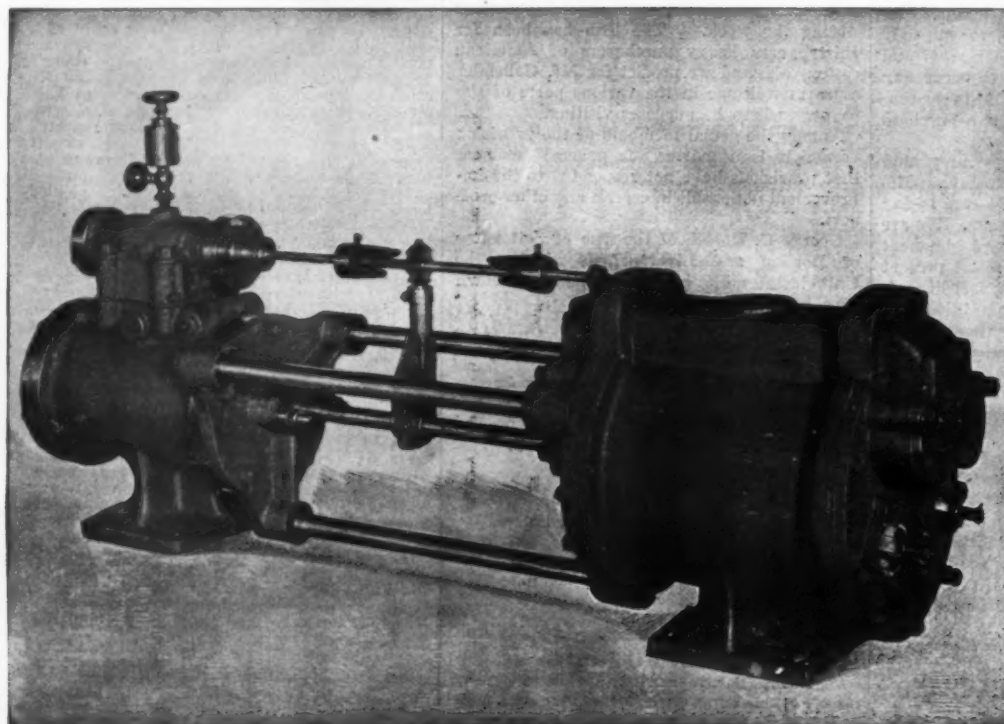
FOR  
PACKING HOUSES,  
Oleo Oil and Butterine Fac-  
tories, Lard Refineries  
and Fertilizer Works.

**COMPLETE OUTFITS**  
For Meat Canning, and Beef  
Extract Factories.

Friction Elevators, Hoists,  
Droppers, Switches, Railing,  
Filters, Oleo Oil and Lard  
Presses. All kinds of Lard  
Coolers, Evaporators, Hash-  
ers for Pork or Beef Fats.

Conveyors, Shafting, Hang-  
ers and Pulleys. Steam and  
Power Pumps, Vacuum, Air  
and Artesian Well Pumps,  
Shackles, Branders, Fat and  
Bone Washers, Bone and  
Horn Saws, etc., etc.

**Improved Hog Scraper,**  
Capacity 700 Hogs  
per Hour.



These Improved Blowing Engines are largely used for agitating oils, acids and chemical preparations, also for blast and ventilating purposes. The valve motion is of special value on the blowing engines, as the length of stroke can be readily adjusted. These valves are accessible from the outside. Pistons are provided with packing of improved design.



# BOX

# PRESS

CYLINDER SUSPENDED FROM THE CEILING  
BY ADJUSTABLE RING. THIS GIVES AD-  
JUSTMENT FOR LARGE AND SMALL BOXES.  
PISTON HAS AMPLE STROKE WHICH WITH  
THE ADJUSTING RING MAKES IT VERY CON-  
VENIENT OF OPERATION AND ECONOMICAL  
IN THE USE OF STEAM OR AIR.

**SIMPLE TO OPERATE.**

RECOMMENDED AND USED BY

ARMOUR & CO., Chicago and Kansas City.  
SWIFT & CO., Chicago.  
THOMAS J. LIPTON COMPANY, Chicago.

## The W. W. SPRAGUE CO.

CHICAGO, ILL.

## TECHNICAL.

### CATCH BASINS.

No. 2.

The oldest catch basins, and perhaps the most in use, is as per diagram thus:

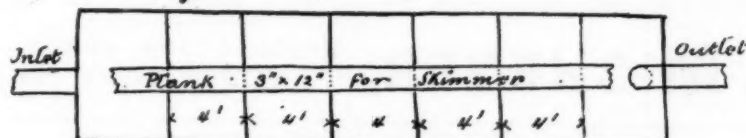
Fig 1 Side Elevation.

Plank 3" x 12" for Skimmer



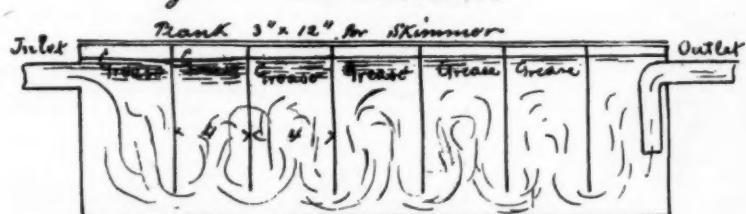
This form has merit perhaps, though much grease has found its way out of this trap, owing, probably, to an insufficiency of catch basins, or too much surface agitation; also to the fact that water entering same has not reached that point as regards temperature where grease and water separate, or, perhaps, owing to the fact that other waters (waste), clean and cold are not introduced to sewers leading to such catch basins. All sewerage should pass along these sluices and pass through catch basins. Such as do not carry greases will at least tend toward reducing the temperature of the whole and thus assist in arresting greases at the desired point.

Fig 2. Top View



We are indebted to Mr. Harry Boore, superintendent of the Continental Packing Co., Chicago, for the above diagram of catch basin which he has adopted. It is a well known fact that Mr. Boore does not generally adopt anything except such is the very best idea extant, and then only to discard same as soon as a better idea presents itself.

Fig 3. Side Elevation



The partitions as shown in the above illustration do not extend lower than within 6 inches of bottom. The longer the catch basin the better of course; and the colder the sewerage on reaching the basin the better also regarding the arresting of the grease. In this basin there is no surface agitation whatever—in fact, agitation is reduced to a minimum, a most desirable feature in the construction of catch basins. Matter precipitated should be cleaned out at intervals and passed to fertilizer press. By the way, one catch basin of each pattern, as given, would unquestionably be a paying investment.

The free attendant service maintained by the New York Central Station, New York, is another example of the care and courtesy by which patrons of this great railroad are surrounded.\*\*\*

### SOAP MAKING.

No. 17.

#### THE TECHNOLOGY OF SOAP MAKING.—THE VARIOUS MAKES TOGETHER WITH THE INGREDIENTS OF SAME.

The following recipes are adapted for soaps

to be made by remelting, as described in the last portion of this article:

**BROWN WINDSOR SOAP**—Tallow soap, 75 lb; cocoanut oil soap, 25 lb; palm oil soap, 25 lb; oleic acid soap, 25 lb; oil of thyme, 2 oz.; oil of cassia, 2 oz.; oil of lavender, 2 oz.; Bismark brown, 3 oz. If a little darker shade be required it is best to add a little new blue.

**HELIOTROPE SOAP**—Tallow soap, 25 lb; oil of bitter almonds, 1 oz.; oil of neroli, 2 oz.; benzoin, 3 oz.

**BOUQUET SOAP**—Tallow soap, 40 lb; cocoanut oil soap, 20 lb; oil of bergamot, 3 oz.; oil of geranium rose, ½ oz.; oil of caraway,

¾ oz.; oil of citronelle, ¾ oz.; oil of lavender, ½ oz.

**SANTAL SOAP**—Tallow soap, 25 lb; santal oil, 1 lb; bergamot oil, 5 oz.

**CITRON SOAP**—Tallow soap, 16 lb; palm oil soap, 4 lb; bergamot oil, 1 oz.; oil of lemon, 1 oz.; citronelle oil, 1 oz.

**ALMOND SOAP**—Tallow soap, 75 lb; co-

coanut oil soap, 25 lb; oil of bitter almonds, 12 oz.; citronelle, 2 oz.

**BROWN WINDSOR SOAP**—Tallow soap, 50 lb; cocoanut oil soap, 25 lb; palm oil soap, 25 lb; oil of cinnamon, 4 oz.; oil of cloves, 2 oz.; oil of caraway, 1 oz.; oil of sassafras, 2 oz.; oil of bergamot, 3 oz.; Bismark brown, 8 oz.

#### THE OLD STORY.



**HONEY SOAP**—Tallow soap, 75 lb; palm oil soap, 25 lb; oil of citronelle, ½ lb; oil of lemon grass, 6 oz.

Another formula is—Tallow soap, 50 lb; palm oil soap, 25 lb; olive oil soap, 25 lb; oil of verbenia, 6 oz.; oil of bergamot, 6 oz.; oil of citronelle, 5 oz.; tincture of musk, ½ oz.

These will be found sufficient recipes, but others will be presently given under another head which the soap maker may utilize for this process if he think fit.

**TOILET SOAPS BY THE COLD PROCESS.**—The cold process may be employed, and is used for making some of the cheaper grades of toilet soaps. The details of this process will be found described in another place; here will be given simply some formulae which may be used. It may be pointed out that it is not every perfume which may be employed, on account of the presence of alkali in the materials during the process of manufacture. Still, the soap maker may use a large number of formulae and produce a great variety of toilet soaps by the cold process.

**WHITE WINDSOR SOAP**—Cocoanut oil, 50 lb; white tallow, 50 lb; caustic soda lye at 70° Tw., 50 lb. Stir the fats which have been previously melted together with the alkali; when well mixed add the perfumes as follows: Oil of caraway, 6 oz.; oil of lavender, 6 oz.; oil of thyme, 2½ oz.

**BROWN WINDSOR SOAP**—Cocoanut oil, 45 lb; tallow, 45 lb; palm oil, 10 lb; caustic soda lye at 70° Tw., 50 lb; oil of lavender, 2½ oz.; oil of cassia, 6 oz.; oil of caraway, 1½ oz.; oil of neroli, 1½ oz.; Bismark brown, 3 oz.

**VIOLET SOAP**—Cocoanut oil, 40 lb; tallow, 10 lb; caustic soda lye at 70° Tw., 25 lb; dried orange peel, 1½ lb; violet root, 2½ lb; tincture of musk, 1½ oz.; oil of bergamot, 1 oz.; oil of citron, 1 oz.; oil of cassia, 1½ oz.; oil of neroli, ¾ oz.; Peru balsam, ½ oz.; tolu balsam, ¼ oz.

Another formula is—Cocoanut oil, 40 lb; tallow, 10 lb; caustic soda lye at 70° Tw., 25 lb; oil of lavender, 1 oz.; oil of bergamot, 2 oz.; oil of cassia, 1 oz.; tincture of benzoin, 2 oz.; balsam of Peru, 1 oz.

(Continued on next page.)

## Welch, Holme & Clark Co.

383 WEST STREET,

NEW YORK.

Importers of  
Superior Quality  
Green Olive Oil Foots

WOODEN-WARE THAT CANNOT FALL TO PIECES.

## LARD PAILS and TUBS

ALL SIZES.

Cable and Common Hoop, Plain and Hinge Covers.

MANN BROS. 6 WABASH AVE. CHICAGO, ILL.

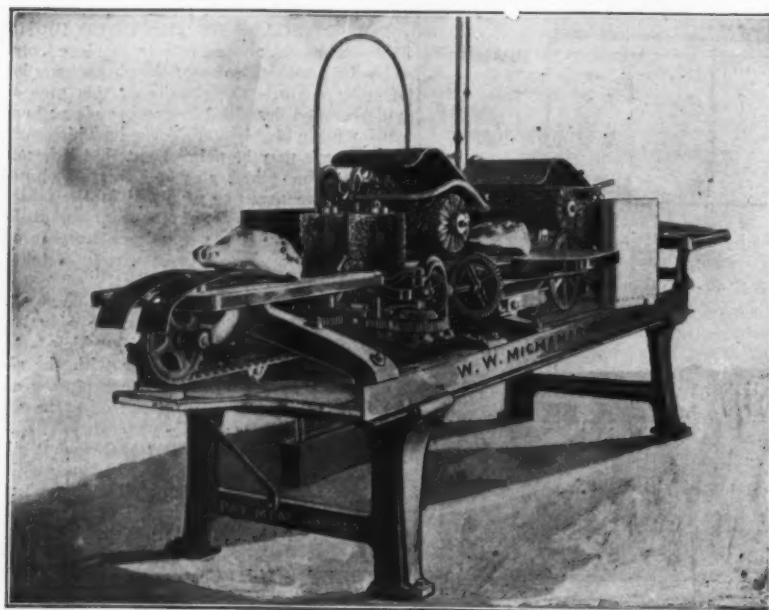
Received Highest Award at World's Fair, Chicago, 1893.

**INDISPENSABLE TO EVERY  
PACKING HOUSE.**

**W. W. MICHENER'S**

**... A GREAT LABOR SAVER !**

**Patent Automatic  
Meat Washer.**



CAPACITY ONE CAR LOAD (1,500 pcs.) PER HOUR.  
REQUIRES BUT TWO MEN TO RUN IT.

**WILL WASH WITHOUT ADJUSTMENT:**

HAMS, BELLIES, SHOULDERS,  
CALIFORNIA HAMS,  
BEEF HAMS, TONGUES.

**ADVANTAGES:**

THOROUGHNESS, SPEED,  
EVEN TEMPERATURE OF WATER,  
SIMPLICITY, DURABILITY,  
GENERAL ECONOMY.

This machine is built for service, will cleanse thoroughly any size of the several cuts of meat mentioned above WITHOUT ADJUSTMENT, and will prove invaluable to Packers and Smokers of Meats.

Machine can be seen in operation at:

SWIFT & CO., Chicago, Ill.

J. H. MICHENER & CO., Philadelphia, Pa.

MICHENER BROS. & CO., Chicago, Ill.

CORRESPONDENCE SOLICITED.

**W. W. MICHENER,**

**UNION STOCK YARDS,  
CHICAGO, ILL.**



**THE BEST AND SIMPLEST APPARATUS  
— FOR —**

**DRYING SCRAP.**

ADDRESS, FOR FURTHER DETAILS,

**The Empire Laundry Machinery Co.**

SODEN ST., CAMBRIDGEPORT, MASS.

**Pointers and Directions for Using Our  
Extractors in Wholesale Packing  
and Slaughter Houses.**

The word "scrap" means dry tankage, or refuse, and the process given is to prepare it for a fertilizer for the market.

1. What amount of raw material will the Extractor take at one time? Answer.—Three-quarter barrel of scrap, or tankage, which weighs from 250 to 300 lb per load.

2. What percentage of moisture remains after it has been acted upon? Answer.—About 12 per cent. of water.

3. What amount of grease is left in the stuff? Answer.—None, or less than 1 per cent., and if thoroughly washed with warm water, none whatever.

4. How long does it require? Answer.—Fifteen to twenty minutes.

5. What power to drive the Extractor? Answer.—From three to four horse-power to start it. When it is at its momentum it releases itself.

6. Will it dry the material; that is, the scrap or tankage? Answer.—No. But it will lessen the time of drying in Steam Cylinder Dryer. And as we have stated in question No. 3, if thoroughly washed, it can be done in less than twenty minutes. No Press is necessary when using the Extractor.

How is the grease saved? Answer.—Run the water and grease into a wooden tank below, and skim off the grease as it settles on top of the water.

8. How is the Extractor operated? Answer.—Fill it with scrap. Then turn on hot water from pipe above and stir until thoroughly mixed, then cover and start the machine, running fifteen minutes. If necessary stop the machine and add a second supply of hot water, until the operator is convinced that all the grease is thoroughly washed out of the scrap. Remove the scrap to the Cylinder Steam Dryer. Keep it in the same until it is thoroughly dried and the particles will not cling to each other.

The secret of perfect success in preparing scrap, or tankage, for fertilizing purposes is, thorough washing with very hot water in the Extractor.

9. Cost of Extractor? Answer.—\$350.00 F. O. B., Boston, Mass.



# TECHNICAL.

## SOAP MAKING.

(Continued from previous page.)

**ALMOND SOAP**—Cocoanut oil, 40 lb; talow, 60 lb; caustic soda lye, 50 lb; mirbane, ½ lb; oil of bergamot, ½ lb.

**ROSE SOAP**—Cocoanut oil, 100 lb; caustic soda lye at 70° Tw., 50 lb; oil or rose geranium, 5 oz.; oil of bergamot, 5 oz.; tincture of musk, ½ oz.; eosin, 1 oz.

**GLYCERINE SOAP**—Cocoanut oil, 50 lb; caustic soda lye at 70° Tw., 25 lb; glycerine, 4 lb; oil of rose geranium, 1½ oz.; oil of sassafras, ¾ oz.; oil of thyme, ¾ oz.

Another formula for Glycerine Soap is—Cocoanut oil, 48 lb; palm oil, 2 lb; caustic soda lye at 70° Tw., 25 lb; violet root, 1 lb; caramel, 7 oz.; oil of lavender, 1½ oz.; oil of bergamot, ¾ oz.; oil of cassia, ¼ oz.; oil of sassafras, ¼ oz.

**LEMON SOAP**—Cocoanut oil, 50 lb; talow, 50 lb; caustic soda lye at 70° Tw., 50 lb; oil of lemon, ¾ lb; oil of bergamot, 5 oz.; oil of lemon grass, 6 oz.; oil of cloves, 2½ oz.

**HONEY SOAP**—Cocoanut oil, 50 lb; talow, 40 lb; palm oil, 10 lb; oil of citronelle, 1 lb; oil of bergamot, ½ lb; oil of caraway, 1 lb; caustic soda lye at 70° Tw., 50 lb.

**BOUQUET SOAP**—Cocoanut oil, 50 lb; talow, 40 lb; bleached palm oil, 10 lb; oil of bergamot, 12 oz.; oil of sassafras, 4 oz.; oil of cloves, 4 oz.; oil of thyme, 4 oz.; oil of neroli, 2 oz.; caustic soda lye at 70° Tw., 50 lb.

**ORANGE SOAP**—Cocoanut oil, 50 lb; talow, 25 lb; palm oil, 25 lb; oil of orange peel, 12 oz.; oil of cinnamon, 1 oz.; oil of thyme, 2½ oz.; caustic soda lye at 70° Tw., 50 lb.

If it be desired to produce colored soaps by the cold process, the soap maker will find a wide range of the coal tar colors open to him. Eosine will give him a variety of tints from the faintest blush rose to a deep pink. Acid green may be used for green tints; acid blue for blue tints; acid violet for lavender to violet shades; Bismark brown for browns; acid yellow for yellows. With these, by combining them together, a variety of pleasing effects may be obtained.

(To be continued.)

## ANDERSON'S TANK DEODORIZER.

This appliance, as manufactured by the V. D. Anderson Co., of Cleveland, O., effectually destroys all odors arising from the operation of rendering tanks, and brings the hitherto objectionable features of the rendering busi-



ness within the requirements of all reasonable health regulations. The Deodorizer can be put near the rendering tank to which it is to be attached, or in the engine room, or in any place where steam and water connections are convenient.

This Deodorizer is made on correct principles, is simple in construction, easy to operate, and requires but a small quantity of water. The wearing parts being made of bronze, are practically indestructible, and insure to the

user a long service, with little or no expense for repairs.

The overflow from the Deodorizer can be turned into a catch basin, so that if any grease is blown off from the tank, as is occasionally the case, it can be caught and saved. This arrangement alone will often save many times the cost of the Deodorizer in a season, because the fat forced out by the old process of blowing off through the roof or into the smokestack is wasted.

This Deodorizer is made in two sizes: No. 3, which has ¾-inch steam and 1¼ inches water supply; No. 4, which has 2 inches steam and 3 inches water supply.\*\*\*

## NOTE.

Our usual weekly article on glue is omitted this week, owing to a pressure on our columns. It will be published in a future issue.

## ANSWERS TO CORRESPONDENTS.

We gladly and as promptly as possible answer all reasonable questions in this column sent to us by our SUBSCRIBERS OR ADVERTISERS.

Answers desired by mail should be accompanied by a stamped, addressed envelope.

Persons desiring not to be known, as making an inquiry should add a *nom de plume* to their questions. By so doing they will avoid identification in this column. The correct name and address should, however, for the publisher's satisfaction, accompany each request for information.

**R. E. S., ATLANTA.**—There are two ways of lacing a belt—the right and the wrong. In nine cases out of ten it is the latter. In compliance with our usual custom of imparting technical information to our subscribers, when requested, we herewith furnish you with the desired details: Punch two rows of holes in each end of the belt, placed zig-zag. In a 3-inch belt there should be four holes in each end—two in each row. In a 6-inch belt, seven holes—four in a row nearest the end. A 10-inch belt should have nine holes; the edges of the holes should not come nearer than ¼ of an inch to the sides, nor ¾ of an inch to the ends of the belt. The second row should be at least 1¾ inches from the end. On wide belts these distances should be even greater. Begin to lace in the center of the belt and take care to keep the ends exactly in line, and to lace both sides with equal tightness. The lacing should not be crossed on the side of the belt that runs next to the pulley. In taking up belts observe the same rules as in putting in new ones. Care should be taken that the ends of the belts, if to be butted, are cut square across, else a crook may be made in the belt.

**S., OMAHA.**—Concentrated tankage should analyze about 2¼ per cent. of moisture and 15 per cent. of ammonia. It is sold per unit of ammonia. This refers to the solid material or residue from evaporated tank water. Solid refuse, when dried, will analyze 9 per cent. ammonia, 20 per cent. bone phosphate and about 8½ moisture. Of course, these figures must not be accepted as being absolute, but are approximately correct.

**RENDERER, NEWARK.**—Your question is one which involves considerable technical explanation, and therefore we need some sort of guarantee that you are actually a subscriber to "The National Provisioner," as you say. Send along your name and address.

**MACHINIST, BUFFALO.**—You say you have frequently had trouble in heat generating in your bearings. Permit us to inform you that while it is possible that the trouble may be traceable to the shafting being out of alignment, it is our opinion that the difficulty arises from the defective nature of the compound which you use as a lubricant. The fact of the shafting having been recently set and examined, would emphasize our view of the case. In our next issue you will observe an article on the subject.

## SHAFTING AND BEARING, MACHINISTS' SUPPLIES, ETC.

We take pleasure in calling the attention of steam plant operators, and the users of all varieties of machinery, to the unexceptionable facilities which Mr. Philip H. Gill possesses, the well known Brooklyn millwright, designer and builder, for executing orders of any magnitude in the lines indicated. In shaftings, pulleys, bearings, gearing and elevator appliances, heavy stocks of the most varied description are constantly carried. A large force of efficient men is regularly employed by this go-ahead firm. The immense size of the works, which includes draughting, woodworking, forging and machine shop departments, speaks eloquently of the flourishing condition and spirit of enterprise which is characteristic of this house, while indicating the esteem in which it is held by local and out-of-town persons. Write Philip H. Gill, 9 to 19 Bowne street, Brooklyn.\*\*\*

## SOAP MAKER'S TALLOW AND GREASES.

Mr. L. Krauskoph, of Philadelphia, whose adv. can be found in another column, is ready to supply soapmakers with tallow, greases and soap makers' supplies, and also solicits consignments of tallow, fat, skins and hides.\*\*\*

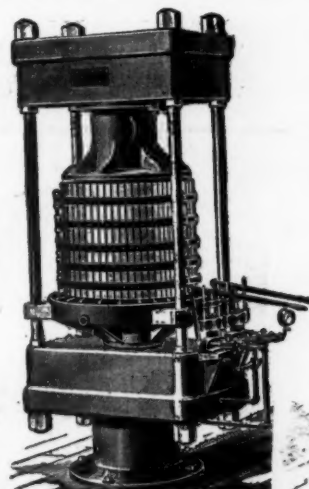
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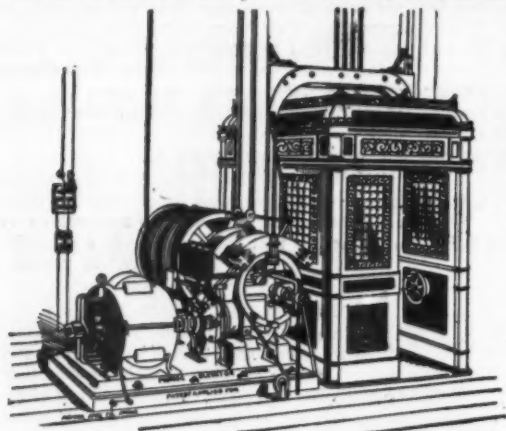
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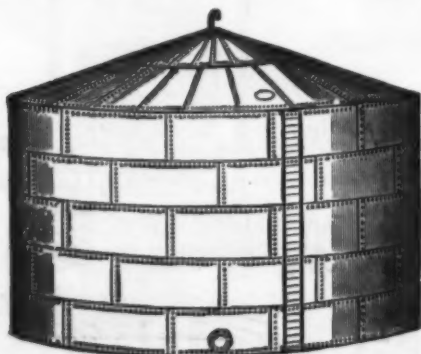
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**Cutting of Hogs.**  
When to Commence Cutting.—Size of Gang.—The Cutting Gang.—The Chopper.—Instruments in Use.—Side Meat Trimmers.—Ribbers.—Backbone Sawers.—Shoulder Trimmers.—Blade Pullers.—Where to Chop the Backbone Out.—Other Men and Boys Necessary.—Cost of Cutting.—Domestic Cuts.—Export Cuts.—Loins.—Wrapping.—Cold Storage.—Treatment During Summer Season.—No Lean Meat to Tanks.—Spareribs.—Backbones, Neckbones, Hocks; What to do With Them.—Short-rib Middle (illustrated); How to Cut.—English Short-rib Middle (illustrated and explained).—Long Clear Middle (illustrated and explained).—Extra Long Clear Middle (illustrated and explained).—Long-rib Middle (illustrated and explained).—Cumberland Middle (illustrated and explained).—Yorkshire Middle (illustrated and explained).—Stafford Middle (illustrated and explained).—Bablin Middle (illustrated and explained).—Birmingham Middle (illustrated and explained).—Short, Clear Sides (illustrated and explained).—Extra Short, Clear Sides (illustrated and explained).—Wiltshire Sides (illustrated and explained).—South Staffordshire Sides (illustrated and explained).—Clear Belly (illustrated and explained).—Rib Belly (illustrated and explained).—Welsh Sides.—Irish-cut Sides.—South Staffordshire Sides.—Clear Bellies, Hog-lark.—Rib Bellies.—Picked Clear Bellies.—Short Clear Backs.—Hog-lark (illustrated).—Short Fat Backs (illustrated).—Long Fat Backs (illustrated).—Picked Clear Backs.—Short-cut Hams (illustrated).—Long-cut Hams (illustrated).—Stafford Hams (illustrated).—South Stafford Hams.—Manchester Hams.—Skinned Hams.—California Hams (illustrated).—Boiled Hams, Bone-

less (illustrated).—Boston Shoulders (illustrated).—Square Shoulders.—New York Shoulders (illustrated).—Regular Shoulders (illustrated).—Skinned Shoulders.—Rolled Shoulders, Boneless (illustrated).—Mess Pork (illustrated).—Prime Mess Pork (illustrated).—Extra Prime Pork.—Clear Pork (illustrated).—Extra Clear Pork.—Clear Back Pork.—Shoulder Butts, Lean.—Pork Loins.—Cumberland.—Short Ribs.

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Regulations Adopted by the London Provision Trade.—American and Canadian Bacon Landed.—Pork and Hams in Barrels and Cases.—Mess Pork in Barrels of 200 pounds.—Beef in Tierces of 300 pounds.—Allowances and Terms.  
**Lard.**—Bladders.—American Tierces.—Meats.—Rules and Regulations of the London Chamber of Commerce.—General Rules for Exporters.—Terms.—Invoices.—Weights.—Agents.

**Domestic Packing and Shipping.**  
How to Pack and Ship: Domestic Meats.—Sweet Pickled Meats.—Green Meats.—Pumping Hams pro and contra.—Lard.—Fresh Meats, Sausages.—Fertilizer.  
**Tables of No. 1 BOX AVERAGES**  
Export Meats. No. 2—Tierce Averages at 300 lb. No. 3—Table of Convertible Values for Provision Exports to Great Britain.

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Elimination of Animal Heat.—Demand for Mild Cured Meats.—Temperatures.—How to Handle a Ham Pump.—Strength of Pickle.—Spread the Meats.—How Long.—What Temperature.—SOME GOOD RECIPES FOR CURING.—How Much Salt, etc., to Use.—Sugar Curing.—Different Formulas and Temperatures.—To Avoid "Bopey Pickle."—How to Get Rid of It.—Rolling.—Repling.—Time for Curing of Different Pieces of Different Weights.—When to Draw the Pickle.—Gain in Curing.—Handling of Tierces After Drawing Pickle.—How to Pick Tierces.—Look Out for Leaks.—CURE FOR TONGUES PACKED IN BARRELS AT 250 POUNDS.—Formula.—Another Formula.—Temperature.—Another Pickle.—A Fourth Formula.—Change of Pickle; When Necessary.—Tongues for Export.—Curing of Hocks and Feet.—The Required Pickle.—Another Method.—Temperature.—Vinegar Pickle.—CURE FOR BELLIES IN

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Heavy Side Meats.—How to Handle.—How to Salt and Resalt.—Bulk- ing of Meats and Rebulk- ing.—Becks.—Dozers.—Shoulders.—Bulk all Meats Close.—Time Necessary for Curing.—How to Figure and Determine Difference of Treatment Prior to Smoking, Between Dry-Salted Meats and Sweet Pickled Meats.—Light, Clear Sides, Extra Clear Sides; How to Put Up.—Advantages in Bulk- ing as Clear.—A Tour Through the Cellars of the Country.—What it Discloses.—A Saving to Packers.—Great Possibilities.—Meats for Export.—Handling.—Color.—Use of Saltpeter and Nitrate of Soda.—Difference Between the Use of Saltpeter and Salt.—Acquisition of Color.—How to Sprinkle Saltpeter on Meats.—How to Add Salt.—Use of the Pocket Stick.—Bulk- ing and Rebulk- ing.—How to Place Export Meats in Cellar.—How to Ship Export Salt Meats in Winter.—How in Summer.—How to Handle Meats Packed in Borax.—How to Obtain Color on Long-Cut Hams.—The Necessity of Tight Boxes and Close Packing.—Shipping of Backs and Bellies.

**Smoke Department.**  
Various Theories in Reference to Best Method of Smoking Refuted.—Cold Smoking.—Quick Smoking.—What is Necessary in Order to Make Meats Which Will Stand Handling.—How to Fill the Smoke-House.—What Precautions to Take.—What Kind of Fire.—How Long.—Let Your House Cool Off.—What Wood to Use.—About the Use of Sawdust.—What to Use to Give the Meat Better Appearance, and to Prevent Flies from Touching It.—Washed Meats.—Temperature of Water.—What to Mix With It.—What the Stringer Has to Do.—Meats in the British Islands.—Meat-Washing Machines.—Appetizing Meats in Bacon Shops in England.—To Make them Look So.—Room for Improvement in the Handling of Smoked Meats.—Improved Methods Compared to Former Years.—Smoking in Summer.—Do not Handle Meats Any More than Necessary.—Do not Pick Smoked Meats.—Why.—Several Good Points.—About Handling Before Canvassing.—The Use of Borax Before Papering.—Advantages of Parchment Paper Over Straw Paper.—Canvas and Yellow Wash.—How to Yellow Wash 2,500 Hams.—What to Use.—Protection of Smoke-House and Canvassing Room, Ventilators, Doors and Windows.  
**PICKLE CURED MEATS.**—How Long to Soak in Winter.—In Summer.—Fully Detailed.  
**DRY-SALT CURED MEATS.**—How Long to Soak in Winter.—In Summer.—Fully Detailed.—Shorter Time with Running Water.—Putting Meats in Soak Vats.—How Full the Vats Ought to Be.—Advantages of Creating a Current.—Most Economical Arrangement for Soaking Meats.—Detailed and Explained.

**Sausage Department.**  
Advantages of Such Department in a Packing House.—Cleanliness.—A Number of Sausage Recipes.—Fully Explained.—Pork Sausage.—Bologna.—Liver Sausage.—Head- cheese.—Tongue Sausage.—Summer

Sausage.—Beef Sausage.—German Bologna Sausage.—Ham, Chickens and Tongue Sausage.—Oxford Sausage.—Frankfort Sausage.—Roast- wurst.

**Tank Department.**  
Importance of this Department.—Description of Tanks and Capacity.—Size of Manholes.—Location of Same and Water Pipes and Lard Cocks.—How to Set Up a Tank.—To Avoid Loss of Life and Property.—Operation of Tanks.—How to Fill, and When.—What to Do When Tank Gets "Flushed" in Cooking.—How Long to Cook.—How Much Time to Settle.—The Use of Salt in Tank.—Drawing to Cooler.—Pumping Through Filter Press of Separator.—Necessity for Quicker Cooling.—Difference in Temperatures Between Lard Drawn to Tierces and Lard Drawn to Tins.—How to Facilitate the Draining of Tank Water.—Cleaning of Coolers.—Vats and Catch Basins.—Making of "Stick."—Pressing Refuse from Tank Water.—Saving Lard from Tank Water.—What to Do With Residue.—Tight and Open Jacket Kettles.—How to Operate Each of Them.—How Long to Cook, and Under Which Pressure.—The Use of the Hammer and Agitator.—Neutral Lard.—How and Where it is Made.

**PRIME STEAM LARD.**—What it Should Be Made of, and How Rendered.—"Killing" and "Cutting" Lard.—How to Mix.—Wash Your Gut Lard.—Which Agent to Use in Bleaching and Purifying Rejected Lard.—In Which Proportion.—How to Recook Same.—Another Method.—Another Recipe.—Kettle-Rendered Leaf Lard.—Neutral Lard.—Kettle-Rendered Lard.—How to Make It.—Sterilize Tests.—Yield of Lard Pressed for Oil.—Refined or Compound Lard.—What it is Composed Of.—Method of Manufacture.—White Grease.—Brown and Yellow Grease.—Pig's Feet.—Their Utilization as White Grease, if Not Used for Glue Stock.—Where the Grease Can Be Used.—THE MELTING POINT OF LARD.—An Interesting Article on the Subject.—The Melting Point no Indication of Purity.—Methods of Determining It.—Difference of Melting Points of the Different Parts of the Animal.—Difference in Prime Steam Lard and Jacket Kettle Lard.—Disadvantages of Trying to Get Too Much of a Yield.—To Avoid Dark Colored Lard.

**Gut and Casings Department.**  
Its Importance.—What is Paid by Dealers to Packers.—Variation of Prices.—Handling of No. 1 Guts.—Percentage of Good Guts.—Advantage of Handling Guts in the Packing House.—Handling of Bung Guts.—Salting, Drying, Packing.—Points of Interest.  
**CASINGS.**—Soaking, Cleaning, Salting.—Quantity of Salt Allowed.—Yield per Hog.—Calculating Profits for Casings Department.—Monthly Killing, 2 Examples.—Advantages to the Packer.

**Fertilizer Department.**  
Dried Blood.—Concentrated Tankage or "Stick".—Percentage of Phosphate, Moisture and Ammonia.—Sample Analysis of Dried Blood, Concentrated Tankage.—No. 1 Ground Tankage.—Raw Bone Meal.—Ground Steam Bone.—Value of Dried Blood as a Fertilizer per Unit and per Ton.—Concentrated Tankage No. 2.—Ground Tankage.—How Manufactured, and What it Contains.—Raw Bone Meal.—Ground Steam Bone.

IN ADDITION to the above there are 7,000 NAMES of the following branches of the trade, wholesale and retail: Pork and Beef Packers.—Wholesale Butchers and Slaughterers.—Wholesale Dealers in Meats.—Wholesale Provision Dealers.—Lard Renderers and Refiners.—Oleomargarine and Butterine Manufacturers.—Tallow Renderers and Dealers.—Provision Brokers and Commission Merchants.—Cotton-Seed Oil Manufacturers and Refiners.—Sausage Manufacturers (Wholesale and Retail).—Fertilizer Manufacturers and Dealers.—Soap and Candle Makers.

Any intelligent reader will see that this book is an absolute necessity to every progressive packing-house, and that each chapter in the book (which is written by experts), is fully worth the price of same, viz: \$10. It should not be missed in any packing-house, slaughter-house, rendering plant, sausage factory, soap or fertilizer works, cotton oil mill, or any other establishment connected with or allied to the great meat and provision industries of the United States and Canada.—Send us your order.

**The National Provisioner Publishing Co.,—Directory Department.)**  
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**CANADIAN CATTLE.****INJUSTICE TO AMERICAN CATTLEMEN IN SECY MORTON'S RULING.**

Mr. Samuel W. Allerton, writing to the "Inter-Ocean," of Chicago, says, among other things:

"Another great injustice has been forced upon the agricultural community and the cattle raisers of the United States, in the arbitrary action taken by Secretary of Agriculture Morton, who has just granted to shippers of Canadian cattle the privilege of shipping these cattle into the United States and also for export. These same Canadian cattle are forbidden entrance into England (although Canada's mother country) except to be slaughtered at port of landing, owing to the fact that pleuro-pneumonia has been found to exist among them.

"These cattle are shipped from Canada through the United States by way of Canadian railroads and by American roads for a short distance, to Boston, and then to England by the way of English boats.

"The great injustice that this works to raisers and shippers of cattle in the United States can be readily perceived. In the first place, the shipping of these Canadian cattle from the United States ports cuts off the shipment of just so many States' cattle and to England, owing to the limited number of boats that carry cattle.

"Secondly, notwithstanding these Canadian cattle are of quality greatly inferior to our own, they will be placed on the English markets as States cattle and thereby should pleuro-pneumonia develop in any of these Canadian cattle, either while they are en route through this country, or when on board of steamer, which may also have on board States cattle, besides the danger of contagion which would result in untold damage to our own cattle, running up to millions of dollars, it would also result in ruining the reputation for perfect and unimpaired health which our cattle now enjoy, this reputation being the fruit of years of hard and untiring effort on the part of our cattle raisers and shippers.

"The best proof that pleuro-pneumonia exists among cattle in Canada is shown by the fact that Canadian cattle are prohibited from entering into the interior of England, her mother country, and are compelled to be slaughtered at the landing.

"On the face of this the Canadian cattle have been granted by Secretary Morton the privilege of passing through and into this country, en route to our seaboard, Boston, at the risk of spreading contagion among our cattle, which would result in a loss the extent of which could not be estimated. . . .

"These Canadian cattle are inspected at Richford, Vt., which, though close to the line, is nevertheless on United States soil. If disease should be found even there, it would be heralded all over Europe that pleuro-pneumonia had been discovered in the United States. It would matter very little if they were Canadian cattle; American cattle would get the bad name and suffer this great consequence. England would not believe that our cattle had not been contaminated, so it would be the United States that would suffer thereby. . . . Besides the question of pleuro-pneumonia this concession made to Canadian shippers deprives our American shippers of the exporting of at least 2,000 cattle per week, and this privilege was granted on the face of the fact that the Canadian government does not allow our American cattle to be shipped into Montreal, to be exported from there.

"The above facts all go to clearly demonstrate that in permitting the Canadian cattle into this country, Secretary Morton has permitted a grave injustice to be perpetrated on our live stock interests, that not only is liable

to destroy the years of labor and development, but that will retard the future growth of this great industry in our country by restricting the outlet of our cattle raisers and by placing in constant jeopardy the lives and health of our cattle. Yours truly,

"S. W. ALLERTON."

**PRODUCE EXPORT BRANCH IN ADELAIDE.**

The Department of Agriculture, of South Australia, has inaugurated a Produce Export Branch in Adelaide, in the province of New South Wales. The erection of additional refrigerating machinery and chambers at the Export Depot, Port Adelaide, has been completed.

The Produce Export Branch handles poultry, rabbits, frozen produce, lamb, mutton, pigs, etc.

In the case of persons having no agents in England, the department undertakes the sale of any produce consigned through the Export Depot, for which the selling commission is not included in the charges already stated, and as soon as the account sales are received, a copy thereof, together with a remittance for the net result, is forwarded to the owner of the goods.

In dispatching produce to the Depot an advice note (copies of which can be had at the department), giving full particulars of the number of packages, brands, contents, etc., is sent to the department immediately after the goods have been forwarded, otherwise the consignments are not received.

Consignments to be handled must be forwarded so as to reach the Depot not later than Friday of each week.

The department undertakes (if desired by the senders) to place rejected produce in the hands of a reliable agent for sale on their behalf.

All consignments should be sent direct to the Government Depot, Ocean Steamers' Wharf, Port Adelaide, and delivered there, carriage paid.

Mr. E. J. Eddy is the manager of the Produce Export Branch.

**A NEW MARKET FOR BEEF.**

The French consul has announced that the French Minister of Agriculture had by a ministerial order authorized the transit of cattle from the United States to Basle, Switzerland, via Boulogne, France.

The order is conditional on cattle so shipped being submitted to inspection at the receiving port and shipped in sealed cars. The cattle must be submitted to a second inspection before being loaded into cars at Boulogne.

**MOVEMENT AND WEIGHT OF HOGS.**

The following table exhibits the movement of Live Hogs at Chicago during March, April, May, June, July, August, September and October in the past two years:

	1896.		1895.	
	Received.	Shipped.	Received.	Shipped.
March.....	596,165	182,612	715,486	208,880
April.....	608,674	142,093	485,826	215,215
May.....	604,113	147,389	471,864	190,887
June.....	704,955	169,745	556,409	131,651
July.....	499,964	102,825	382,398	187,723
August.....	491,674	154,922	379,229	131,200
September....	664,095	183,708	448,284	131,074
October.....	777,922	149,514	859,941	205,889
Total.....	5,010,602	1,292,801	4,802,137	1,370,219

The average weight of the hogs received during October was 242 lb against 257 lb in September, and 230 lb in October, 1895.

On the New York Central you travel in perfect security, protected every foot of the way by Block Signals.\*\*\*

**TALLOW, SOAP, GLUE, FERTILIZER AND COTTON OIL TRADE NOTES.**

**CORRESPONDENTS, SUBSCRIBERS AND OTHERS SENDING ITEMS FOR THIS COLUMN SHOULD MAIL THEM SO AS TO REACH THE EDITOR NOT LATER THAN THURSDAY EVENING.**

A quarrel between the president and manager of the American Soap Co., Chicago, resulted in the police arresting them and two employes before quiet could be restored and the matter settled. The quarrel arose over the disposition of a dray load of soap.

Another indication of the spread of Kansas City's (Mo.) commercial enterprise is shown in the recent order received by a Kansas City house for a carload of soap to be delivered in Yokohama, Japan. The order came to the Peet Bros.' soap factory, and negotiations are now being carried on which may lead to several other heavy orders for the same point.

The Stillwell-Bierce and Smith-Vaile Co., Dayton, O., manufacturers of hydraulic presses, have given out a large order for printing.

The Keene Glue Co., Keene, N. H., have considerably improved their facilities for doing business during the past summer, and, should the conditions of trade warrant, will be able to produce more glue and gelatine this winter than heretofore. The company is manufacturing a fine quality of glues and gelatines, most of which are either pure white or a delicate amber color and perfectly free from specks or impurities.

Wilson & Lonsdale will erect an oil mill at 2323 Broadway, Kansas City.

Richard S. Hueles, manager of a department in James Pyle's soap and pearline manufactory, New York, is dead.

**AMERICAN COTTON OIL CO.'S ANNUAL MEETING.**

The annual meeting of the American Cotton Oil Co., of 46 Cedar street, New York City, will be held at the principal office of the company in New Jersey, at the Refinery, near Guttenburg, in Union township, Hudson County, on Thursday, Dec. 3, at 12 o'clock noon, for the purpose of electing directors and for the transaction of other business.

**COTTON MEAL—ITS MANURIAL VALUE.**

Prof. Atwater has during two years made herd tests with various rations at the Storrs Experiment Station. Among the results are estimated values of manures from each ton of different feeding stuffs consumed, as shown in the following statement:

Of 18 feeding stuffs tested, cotton meal was the only article which disclosed the fact that its manurial value was actually greater than the original cost. The first cost of the meal was \$21 per ton, while the intrinsic value of the manurial substance was \$23 per ton. This is a surprising showing and should still further enhance the reputation of cotton meal as a home stock feeding material.

**THE INFLUENCE OF COTTON OIL ON LARD AND PRODUCTS.**

A peculiar condition of current times, with regard to the business of hog raising, consists in the discovery that it no longer pays to produce extra fat corn-fed hogs. This change is primarily owing to the growing use of cotton oil as the manufacture of compound lard increases. Pure lard is correspondingly lessened in value, rendering the production of same of less moment than heretofore.

A thrifty pig with plenty of lean meat, and little more than fat enough to cook it, makes better pork and what will bring the highest market price. It may not be cheaper for the farmer to produce this lean pork—we doubt if it is—but it certainly will be more healthful food for the pork consumer.

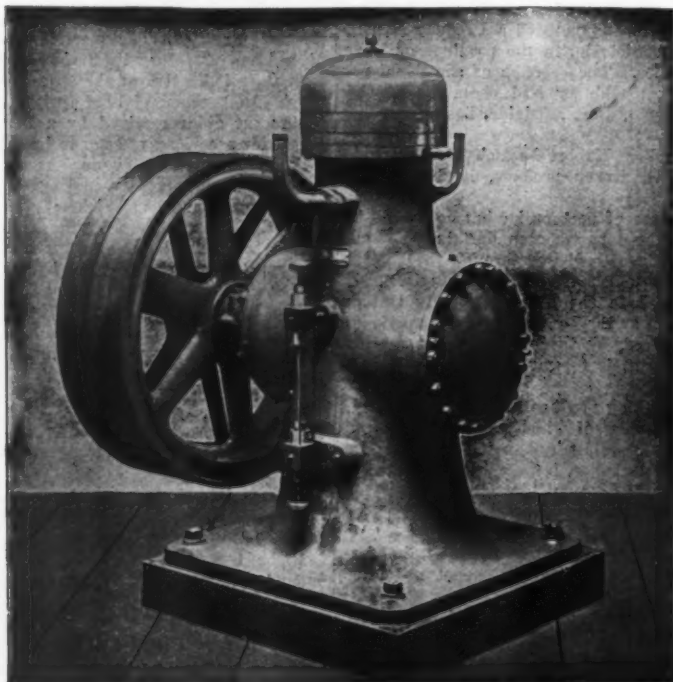


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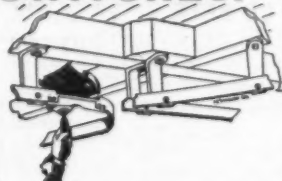
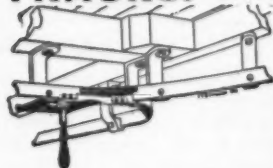
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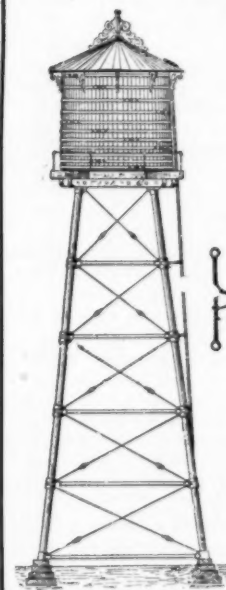
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R. Gumz & Co., Milwaukee, Wis.	one 25-ton machine	John Morrell & Co., Ltd., Ottumwa, Ia.	one 150-ton machine
L. Frank & Son Packing Co., Milwaukee, Wis.	one 25-ton machine	Brittain & Co., Marshalltown, Ia.	one 50-ton machine
The Kretschmar Co., Milwaukee, Wis.	one 5-ton machine	Cudahy Packing Co., South Omaha, Neb.	one 150-ton machine
O. F. Mayer & Bro., Chicago, Ill.	one 10-ton machine	Lincoln Packing & Prov. Co., West Lincoln, Neb.	one 75-ton machine
O. F. Mayer & Bro., Chicago, Ill.	one 20-ton machine (second order)	Chicago Packing & Prov. Co., Nebraska City, Neb.	one 50-ton machine
Swift & Co., Chicago, Ill.	one double 400-ton machine	Chicago Packing & Prov. Co.	one 75-ton machine (second order)
Nelson Morris & Co., Chicago, Ill.	one double 200-ton machine	J. Fleischhauer & Bro., New York, N. Y.	one 50-ton machine
Fairbank Casing Co., Chicago, Ill.	one double 200-ton machine	Thomas Bradley, Philadelphia, Pa.	one 35-ton machine

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**WANT AND FOR SALE ADS, can be found on PAGE 46**



## PACKING HOUSE NOTES.

Manufacturers of machinery and fixtures interested in these notes, should also consult the items under Ice and Refrigeration, and other trade news columns in this paper.

Employers in want of help, and employees in search of positions, and such wanting to dispose of machinery or desiring to purchase same should look at our WANT AND FOR SALE COLUMN on page 46.

\* The State Insane Asylum, at Provo City, Utah, will receive sealed proposals until April 30, 1897, for furnishing among other supplies, 10,000 lb fresh beef, 2,000 lb fresh mutton and 800 lb prime tallow.

\* M. Leon Heymans, of Messrs. E. Heymans & Son, live stock and general provision agents, Paris, France, has been in London for a few days, arranging for future deliveries of French suet.

\* Nine butchers of Jacksonville, Fla., who refused to comply with the city ordinance prohibiting private markets, have been arrested.

\* The Warren Live Stock Co., Wyoming, Neb., has purchased seventy-five high grade merino rams from the famous Taylor herd at Casper, and has shipped them to the company's ranges.

\* Work on the new stock yards of the Grand Trunk Railroad, which are to be located in East Deering, Me., will be commenced in a few days.

\* The Union Stock Yards Co., in Chicago, has been notified that unless it paid the amount due the city in connection with the building of the viaducts across the railroad tracks at Thirty-ninth and Halstead streets, suit would be begun without further delay. A year ago the city built the viaduct at an expense of \$40,000, at the request of the company, it agreeing to pay for the structure. When the viaduct was built several city sewers and water mains had to be moved. This work amounted to over \$2,000, and the bill was sent to the company, and promptly paid. The company, it is said, has treated with silence the other demand made by the city.

\* A rumor has gained currency that the pig-stickers in the employ of P. D. Armour, Chicago, had had their wages reduced. There is no truth in the report according to T. M. Favorite, the firm's confidential man.

\* EH Titus, general live stock agent of the Santa Fé system and S. R. Hill, live stock agent of the Union Pacific, state that the live stock traffic on their respective systems makes a much better showing for this, as compared with last year.

\* O. F. Hall, the confidential man of the Stockman's Commission Company, at the stock yards, Chicago, is missing. A shortage has been discovered amounting to about the entire assets of the firm, about \$24,000 in money, and securities.

\* A Chicago Live Stock man has returned from a trip to Central Illinois, where he says the hog crop is light and 50 per cent. of the hogs seem to have cholera. The disease is

usually virulent, and out of 140 hogs his father lost 135 inside of eight days. He thinks about the usual number of cattle will be put on feed.

\* Included in the shipments of meats from Chicago from Nov. 2-7 were about 218,000 pcs. of hams, 94,000 pcs. of shoulders and 180,000 pcs. of sides. For the corresponding week last year the shipments were about 190,000 pcs. of hams, 96,000 pcs. of shoulders and 184,000 pcs. of sides.

\* A Wabash (Ind.) dispatch says: "Hog cholera prevails to an alarming extent around Amboy, and many farmers have in the last month lost from \$500 to \$1,000 worth of hogs."

\* The Cudahy Packing Company, Pittsburg, Pa., have bought from the Union Planing Mill Company, a lot 40 x 135, situated at the corner of Halket and Seventh streets, Braddock, Pa., for \$4,000. The property will be improved with a large building to be used as a wholesale house.

\* About a month ago, Eugene Kranger, of Mendon Center, N. Y., purchased twenty-one hogs in Buffalo. Last week they began to die and few, if any, are now left. Dr. French, of Honcoye Falls, said hog cholera killed the hogs. The State Board of Health will make an investigation.

\* The free exportation of cattle from Old Mexico to this country during the past two years is telling upon the supply of cattle there, which is diminishing.

\* A contract to build fifty refrigerator cars for the Cudahy-Milwaukee Refrigerator line has been awarded to the Missouri Car and Foundry Company, of St. Louis, Mo., and the cars will be ready for delivery about Feb. 1. The cars will be built to the standards prescribed by the Master Car Builders' Association and will be equipped with airbrakes and automatic couplers. The cost of the lot is said to be about \$40,000. There is a car shop at Cudahy under the management of J. A. Kittredge, general manager of the Milwaukee lines of Cudahy Bros., where cars are being overhauled.

\* The third section of the new double-decked section of the stock yards, Chicago, was thrown open last week, and in a few weeks the work will be done for the season. But little remains to be done and when the last section is thrown open the largest building enterprise in Chicago this year will have been practically completed.

\* W. B. Lockett & Co., Bristol, Va., have added a lard department to their business, having bought out the Knoxville Provision and Sugar Company at Bristol.

## SWEET PICKLED GOODS.

The season for sweet pickled goods having arrived, Mr. John Jameson, of Philadelphia, whose adv. appears elsewhere in this issue, solicits consignments in these lines, also of lard and other packing house products. Mr. Jameson has cooling facilities and can handle large quantities.\*\*\*

## THE STRONGEST BUTCHER IN THE WORLD.

A short time ago one of our reporters had the pleasure of calling on Mr. George Winzenreid, a butcher, at 777 Bailey avenue, Buffalo, N. Y., and in a very short time after entering Mr. Winzenreid's presence he was willing to stand by the statement contained in the above caption. Accepting Mr. Winzenreid's invitation, he accompanied him into his slaughterhouse, where an array of regular circus paraphernalia and a large case containing heavy dumb bells, iron bars, clubs and other delights of the athlete greeted his surprised vision. Hastily divesting himself of his heavy outer garments, Mr. Winzenreid prepared to exhibit his enormous strength. Taking a dumb bell weighing 940 pounds in one hand, he tossed it lightly upward until it nearly touched the ceiling, and caught it as it descended without apparent exertion. It is difficult for the ordinary mind to comprehend this wonderful feat. At Mr. Winzenreid's command, two horses were brought into the slaughterhouse, and one was strapped securely to each wrist. The whip was then applied until the horses sprang away in opposite directions from either side of Mr. Winzenreid, and it really looked as if his arms must be torn out, but quickly and easily he drew the horses back, despite their frantic struggles to get away, until they stood close together, side by side. Feats that have never before been accomplished are performed easily by Mr. Winzenreid. It is his intention to challenge Sandow, and any one who has ever had the good fortune to witness Mr. Winzenreid's surprising exploits can have no doubt of the successful result of Mr. Winzenreid's contest with him. Mr. Winzenreid contemplates a tour around the world for the purpose of giving exhibitions of strength. He will be accompanied by Mr. Louis Stoney, who is almost his equal in strength, and executes nearly the same "deeds of muscle." Either one of these men will get down on his hands and knees and hold upon his back fifteen minutes a platform of three-inch planks upon which is placed 4,800 pounds of iron dumb bells. These remarkable feats sound like fiction, but are purely facts, and were witnessed by your reporter. They will travel under the nom de guerre "The Unknown Strong Men," and assuredly all butchers will allow nothing to prevent their seeing fellow-comrades perform the described and many equally wonderful feats. Mrs. Winzenreid will continue to supply the public with choice meats, while her husband, if he secures all your correspondent and the National Provisioner wish him, and which he richly deserves, will win fame and fortune in his contemplated trip around the world.

## HYDRAULIC PRESSES FOR OIL MILLS.

## THE LATEST FORMS AS USED IN ENGLAND.

The actual design of the presses in no way differs from those previously in use, the only novelty being that they stand in a wrought iron tank, forming conjointly foundation and cistern for the expressed oil. This is undoubtedly a great convenience and well worth the consideration of American oil mills. The oil is afterward pumped from the cistern, usually through the filter presses, thence to storage tanks.

## A TREAT FOR ARTISTS.

The autumn scenery of the Hudson River and Mohawk Valley lends additional charm to a trip over the New York Central at this season. Fourteen fast trains every day between New York and Buffalo and Niagara Falls.\*\*\*

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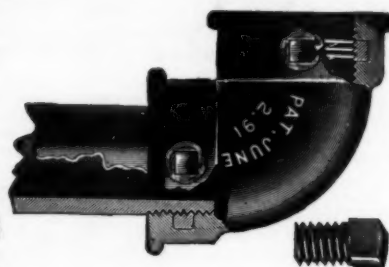
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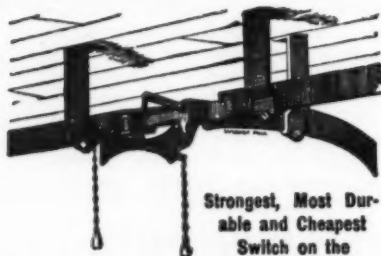
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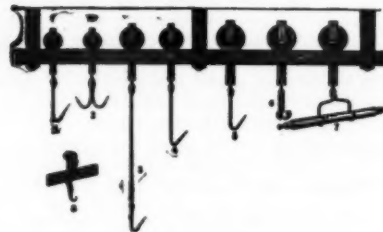


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## CAN YOU AFFORD TO TAKE CHANCES?

IF YOU ARE IN THE MARKET FOR SCALES,  
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HIGH GRADE SCALES OF EVERY DESCRIPTION.

PERFECT SATISFACTION GUARANTEED.

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## BUFFALO SCALE COMPANY, Buffalo, N. Y.

## CHICAGO PROVISION MARKET.

The speculative market in provisions the past week has been a very quiet one with a light business and the tendency decidedly toward lower prices and there is no doubt but for the very strong and excited wheat market a much lower range of values would have prevailed. The packers are bearish and on every slight advance come into the market as sellers, and there is not enough outside trade to establish a high range of values, and the bears at present are masters of the situation. On Monday Armour was an open buyer of ribs and lard, taking over a million of the former and quite a lot of lard. On this buying the best advance of the week was made. Pork selling from 7.95 to 8.15; ribs from 3.90 to 4.05, and lard from 4.32½ to 4.42½. But as soon as he stopped buying the market quickly declined and most of the advance was lost. The Continental Pkg Co. and A. S. White were good sellers. Some of the brokers are very positive that there is a very large short interest in January pork and lard, one of them claiming that a certain high roller in the speculative market is short at least 400 bbls. of pork and an immense amount of lard, and "says the market is shaping itself for a great flurry, and as soon as the shorts start to cover there will be a stampede and the bulls won't be the ones that are hurt." That is one opinion. But it's not the general one. Others say there is nothing in the situation that can scare the shorts to cover. There are plenty of hogs and plenty to fatten them on. The stocks of provisions are large and are increasing. There has been a 20c. advance in wheat and it has not helped pork 25c. a bbl. Tuesday the market was weak on the large hog receipts 25,000, 6,000 more than the estimates. The feature of the trade was the selling of quite a line of lard by Logan, probably 4,000 tierces. The packers were all sellers to a moderate extent. Wednesday the hog receipts again overran the estimates, 40,000 being received, and 40,000 estimated for Thursday. This was more than the provision market could stand, and prices for all product were 5 to 10c. lower. January pork sold down to 7.90; January lard, 4.25, and January ribs, 3.92½. The total packing from March 1 to Oct. 23 was 9,315,000, against 7,690,000 a year ago, a gain of 21 per cent. for the season. Domestic and export demand continues liberal from all sources. Exports of lard are unusually large. The pack of bbl. pork so far this season has been small. Western stocks of provisions are smaller than on March 1, so it is apparent that the product of fully 10,000,000 hogs have been absorbed by domestic consumption and export abroad during the past eight months. We still believe provisions are a sale on all rallies.

**NEPONSET RED ROPE INSULATING PAPER**  
FOR LINING  
**Cold Storage Houses** **Refrigerators.**  
**Houses** **Cars, Etc.**

WATERPROOF, AIR TIGHT, CLEAN, A HIGH NON-CONDUCTOR AND ABSOLUTELY ODORLESS.

SAMPLES AND FURTHER PARTICULARS SENT FREE ON APPLICATION TO  
F. W. BIRD & SON,  
EAST WALPOLE, MASS.  
THIS PAPER IS ACCEPTED BY EXPERTS AS THE STANDARD OF REPUTATION.

<b>PORK—</b>				
December....	7.05	7.05	6.90	6.90
January.....	7.85	7.90	7.75	7.80
<b>LARD—</b>				
December....	4.20	4.20	4.10	4.10
January.....	4.37½	4.40	4.30	4.30
<b>RIBS—</b>				
December.....	3.62½	3.62½	3.62½	3.62½
January.....	3.92½	3.92½	3.85	3.85
<b>PORK—</b>				
December....	6.90	6.95	6.90	6.95
January.....	7.80	7.85	7.75	7.85
<b>LARD—</b>				
December....	4.10	4.10	4.02½	4.07½
January.....	4.32½	4.32½	4.25	4.30
<b>RIBS—</b>				
December....	3.65	3.65	3.65	3.65
January.....	3.87½	3.87½	3.80	3.87½
<b>PORK—</b>				
December....	6.95	7.05	6.90	7.05
January.....	7.85	7.95	7.80	7.95
<b>LARD—</b>				
December....	4.07½	4.10	4.05	4.10
January.....	4.27½	4.32½	4.25	4.32½
<b>RIBS—</b>				
December....	3.65	3.67½	3.65	3.67½
January.....	3.87½	3.90	3.85	3.90
<b>PORK—</b>				
December....	7.15	7.15	7.02½	7.02½
January.....	7.95	8.15	7.95	8.02½
<b>LARD—</b>				
December....	4.17½	4.25	4.15	4.15
January.....	4.32½	4.42½	4.32½	4.37½
<b>RIBS—</b>				
December....	3.80	3.80	3.77½	3.77½
January.....	3.92½	4.05	3.92½	3.97½
<b>PORK—</b>				
December....	7.00	7.00	7.00	7.00
January.....	7.95	8.02½	7.95	8.00
<b>LARD—</b>				
January.....	4.35	4.35	4.30	4.32½
<b>RIBS—</b>				
December....	3.80	3.80	3.80	3.80
January.....	3.97½	4.00	3.92½	3.95
<b>PORK—</b>				
December....	6.95	7.00	6.92½	6.97½
January.....	7.92½	7.97½	7.90	7.95
<b>RIBS—</b>				
December....	4.05	4.10	4.05	4.07½
January.....	4.27½	4.30	4.25	4.27½
<b>RIBS—</b>				
December....	3.85	3.85	3.85	3.85
January.....	3.92½	3.97½	3.92½	3.95

W. Thos. Nash reports as follows:  
I cannot report the cash demand for provis-

ions what we should expect; there is some little inquiry, but it is in a sort of a hand to mouth way, with no inclination on the part of buyers to stock up heavily at the present prices. I would quote the market nominally about as follows: 12 lb S. P. Hams, 9c.; 14 lb average, 8½c.; 16 average, 8½c.; 20 average, 7½c.; 18 to 20 lb skinned, 7½c.; 10 to 12 S. P. New York shoulders, 4½c.; 14 to 16 average 4½c.; 8 to 10 average, S. P. picnics, 4½c.; 6 to 8 average, 4½c.; 12 lb average, green hams, 8c.; 14 lb average, 7½c.; 16 lb average, 7c.; 18 to 20 lb average, 6½c.; 18 to 20 lb average, green skinned, 6½c.; 8 to 10 lb average, picnics, 4c.; 6 to 8 lb average, 4½c. The grease and tallow market seems to be in a much healthier condition, with a good demand and offerings rather limited. Would quote the market on No. 1 country tallow, 3½c.; No. 1 packer, 4c.; No. 2, a quarter to a half less, according to quality. A white grease, 3½c. to 4c.; B white, 3½c. to 3½c. Good yellow, 2½c. to 2½c.; prime yellow, 2½c. to 3½c.

## A FINE NUMBER.

The publishers of the "Canadian Grocer," Toronto, issued a fall trade edition on Oct. 30. The number was replete with interesting reading matter and advertisements in colors, showing considerable artistic taste. The typographical appearance and general make-up of the paper were also commendable features, and we congratulate the "Canadian Grocer" upon its successful effort.

## QUEBRACHO WOOD IN TANNING.

Edward Muller, of Buenos Ayres, Argentine Republic, has issued a neatly gotten up pamphlet which tells of the great value of Quebracho wood in the process of tanning hides. A careful perusal of its pages would lead to the conviction, that owing to the use of this wood as a tanning agent, is due the low prices of hides and leather generally. European tanners recognizing the valuable properties of this wood are rapidly increasing their importations in recent years.

## ALL CURED MEATS, SAUSAGES AND BOILED MEATS

## ROLL PARCHMENT PAPER

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ESTIMATES PROMPTLY FURNISHED.

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OFFICE AND WORKS, PASSAIC, N. J.

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THE  
DE LA VERGNE REFRIGERATING MACHINE CO.  
Manufacturers of  
**Refrigerating AND Ice-Making Machines**  
AND ANHYDROUS AMMONIA.

*Read the following AWARD from the DIPLOMA received by us from THE WORLD'S COLUMBIAN EXPOSITION.*

**AWARD.**

For production of Anhydrous Ammonia Compressors for refrigerating purposes, of First-Class Efficiency, Durability, Design, Workmanship and Finish, having a pair of vertical double-acting compressing cylinders, operating from two cranks driven by a horizontal double-acting steam engine, occupying a minimum floor space for given capacity, with automatic devices for circulating oil through the compressing cylinders for the purpose of securing perfect displacement of gas, of absorbing the heat of compression so as to require no water-jackets.

For first-class design of the ammonia condensing apparatus, involving the use of a special line of pipe-fittings and valves, of superior strength and completeness; for an excellent arrangement of cooling-water distributing surfaces and liquid ammonia collecting pipes, and complete provision for conveniently operating, cleaning and repairing all parts of the system so as to secure steady action under the most economical conditions.

For successful application of the principles of artificial refrigeration, by the direct expansion of ammonia.

For a complete system of constructing Refrigerating Plants and manufacturing specially designed appliances therefor, all of which are undoubtedly the most elaborate and complete fittings for this purpose yet introduced. The exhibitors adhere to the practice of making all pipe joints with screw threads, sealed with a special solder, which is undoubtedly the most secure method of making joints in ammonia work.

Approved.—W. A. JAMES,  
Vice-President Departmental Com.

(Signed) J. E. DENTON,  
Individual Judge.

Approved.—JOHN BOYD THACHER,  
N. H. Chairman Executive  
Committee on Awards.

WE BUILD THE MOST SUBSTANTIAL AND DURABLE MACHINES AND PLANTS FOR REFRIGERATION  
AND ICE-MAKING MADE IN THE WORLD. THE RECORD MADE BY OUR PLANTS IN OPERATION IS A PROOF  
OF THIS FACT.

WE MAKE NO GUARANTEES WE CANNOT FULFILL.

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PHILADELPHIA, Pa., Girard Building, cor. Broad and Chestnut Sts.

ST. LOUIS, Mo., 8th St. and Park Ave.

CHICAGO, Ill., 507-508 Security Building, Madison St. and 5th Ave.

NEW ORLEANS, La., 712 Hennen Building, Cor. Carondelet and Common Sts.

CINCINNATI, O., 5 and 7 Corwine St.

BOSTON, Mass., Tremont Building.

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# PRESERVATIVE?

**THE ONLY TRUE PRESERVATIVE FOR MEATS.**



If not, you should. Send for Circular, and favor us with a trial order. It will pay you, we know it. You will find this true. More especially is this so now the warm weather is at hand, and Meat, Poultry, Game, etc., etc., spoil quickly. Treated with a little Preservative, the meat will not get tainted or slimy, and will retain its bright color and full weight. We want to caution you against any one who says, "his article is as good as Preservative," another who may tell you "his is just the same as Preservative," or still another who offers you his "so-called preservative, because it is cheaper."—What better evidence than all this is wanted to prove the great superiority of the

## GENUINE PRESERVATIVE

now used for 19 years by the foremost in the trade? We boldly declare there is **no** preservative made the same as Preservative. None will do the same work; none will go as far, and none is so cheap to use, so satisfactory and reliable at all times.

We are the patentees, the sole owners and only manufacturers of Preservative, and to protect the trade against the many worthless imitations caution all to see that our name and trademark "Preservative," with the Boar's head picture, is on every package. Take no other; take no substitutes.

We shall be pleased to furnish samples and fullest information upon application.

## THE PRESERVATIVE MANUFACTURING CO.,

183 ILLINOIS ST.,  
CHICAGO.

154 NEW MONTGOMERY ST.,  
SAN FRANCISCO, CAL.

12 CEDAR ST.,  
NEW YORK

**BUSINESS CHANGES.**

Mr. J. M. Bryant has become the successor of the firm of J. M. Bryant & Bro., hide brokers, Chicago, and announces that he has assumed and will pay all outstanding liabilities of the old firm, and has been authorized to collect all outstanding accounts due the firm. Mr. Bryant will continue business in his own name at Springfield, Ill.

James L. Lovell has sold his meat business on Broad street, Augusta, Ga., and has located at 505 Campbell street in the same city.

A. C. Gilbert has sold his meat market in Meadville, Pa., to A. Gaskill and Wilson Minniss.

A. F. Frost has opened a new meat market in Pittsfield, Mass.

Jacob Weidman and James W. Caldwell, representing the Swift Beef Company, of Chicago, have opened a wholesale beef market in York, Pa.

J. P. Hildreth has opened a meat market on Ocean avenue in Patchogue, L. I.

Fire did \$20 damage in the butcher shop of August Bitzer in Syracuse, N. Y.

The large frame building with its contents, of the Renovo Beef Company, Renovo, Pa., was destroyed by fire.

H. T. Sherman, of Sherman Bros., meat market, New Britain, Conn., has received a warranty deed and has given a real estate mortgage of \$5,000.

E. Schonberger, of E. Schonberger & Son, market, New Haven, Conn., has given a real estate mortgage of \$28,000.

Fred. Prange, butcher, Indianapolis, Ind., has sold out.

August G. Stuckmeyer, butcher, Indianapolis, Ind., has given a real estate mortgage of \$946.

Hobbs & Cloyes, retail provisioners, Portland, Me., have gone out of business.

A. O. Saunders, of A. O. Saunders & Co., provisions, Ellsworth, Me., has given a real estate mortgage for \$900.

**RECENT PATENTS AND TRADE-MARKS.**

571,141. Apparatus for manufacturing ice. William F. Singer, Nashville, Tenn., assignor to the Home Ice Maker Co., same place. Filed Feb. 16, 1895. Renewed March 30, 1896. Serial No. 585,498.

571,142. Automatic cattle guard. Slaughter L. Spencer, Roanoke, Va., assignor of one-half to Tidal A. Taylor, same place. Filed July 31, 1896. Serial No. 601,268.

571,272. Employers Time Recorder. Eric W. Lindeman, Joliet, Ill. Filed June 28, 1895. Serial No. 554,336.

29,145. F. Romeo & Co., New York City. Case secured under trade-mark patents for olive oil packages; the representation of a bee.

**NEW YORK CITY ITEMS.**

(Other items see page 35.)

\*\* The following are among the new markets which have recently been fitted up, these named opening to-day, Nov. 14: Joseph S. Schweitzer, 450 Amsterdam avenue; Mairbrunn, Eighty-eighth street and Columbus avenue; Simon & Faulk, Forty-eighth and Forty-ninth streets and Ninth avenue; Otto Geiss, Forty-second and Forty-third streets and Ninth avenue.

\*\* A fair typewriter is the latest acquisition to the business staff of Joseph Donahue & Son, the popular fat and skin dealers of West Thirty-ninth street.

\*\* The meat inspectors of the Board of Health during the past week have condemned 5,850 lb beef; 2,630 lb veal; 1,800 lb mutton; 150 lb hams; 1,000 lb game; 75 lb pork; 3,550 lb poultry and assorted, 50 lb.

**MARSHALL-STRAUSS.**

A very brilliant affair was the wedding of Mr. Benjamin Marshall, of Syracuse, N. Y., and Miss Ida, daughter of Mr. Adolph Strauss, of the well known firm of Kaufmann & Strauss, at Sherry's, Thirty-seventh street and Fifth avenue, Tuesday evening last, at 6:30 o'clock. The bride was gowned in white brocaded silk, a creation of Worth, of Paris, trimmed with rich old valenciennes lace, the latter being the legacy of the bride's grandmother, it being her express wish that Miss Strauss should wear it on her wedding day. The bridesmaids were Miss Estelle Strauss, Miss Norma Drefuss, Miss Estelle Levy, daughter of Mr. Abe Levy, of Kaufmann & Strauss; Miss Edna Weil and Miss Carrie Kaufmann, daughter of Mr. Strauss' partner. The best man was Mr. Benjamin Stultz, of Syracuse. The bridegroom's gift to the bride was a diamond necklace from Tiffany's. There were a large number of guests at the wedding—some 350 in all. Mr. and Mrs. Marshall left this city Tuesday night amid a shower of the proverbial old shoes and rice. Mr. Abe Levy perhaps was foremost in extending this particular sort of congratulations and well wishes. They were en route for Washington, D. C., and they will also go to the sunny climes of Florida on the honeymoon tour.

Mr. Marshall is a prominent business man of Syracuse, and in Miss Strauss he has secured a prize. May the happy couple live long and prosper!

**ICE AND REFRIGERATION.**

Those interested in this subject should not forget to look also at *Packers' and Slaughterers' Notes*, and other trade news columns in this paper.

Employers in want of help, and employees in search of positions, and such wanting to dispose of machinery or desiring to purchase same should look at our **WANT AND FOR SALE COLUMN** on page 46.

Charles W. Kennard and others have incorporated the Patapasco Coal and Ice Company, at Baltimore, Md., with a capital stock of \$10,000.

The Chattanooga Beef and Ice Company has been incorporated at Chattanooga, Tenn., by J. W. Jones, J. F. Newton, J. B. Cameron, J. W. Pest and Solomon Berghheimer. The company will run a general packing house and manufacture ice.

It is reported that the output of the East Tennessee Packing Co., Knoxville, Tenn., will be increased this season.

The Wolfe City Foundry and Machine Works, Wolfe City, Tex., are in the market for an ice plant of five tons daily capacity.

Mr. J. C. Shainwald, well known in the packing trade as the Western manager of the Standard Paint Company, in Chicago, has been in New York this week.

\* Kingan & Co., of Indianapolis, will build a beef and provision depot at Baltimore, Md.

—The Newburg Ice Machine Co. is erecting a 10-ton Penney machine in the new packing house of Charles F. Rime, on Third avenue, between 125th and 126th streets, New York.

—The Herrick Refrigerator Co., of Waterloo, Ia., has leased a factory in that place and will immediately begin the production of refrigerators, butchers' coolers, counters and bank fixtures, hiring 100 men from the start. The lease was made conditional on Mr. McKinley's election.

—The ice factory at Crescent City, Fla., will soon begin making ice.

—The East New York Produce and Ice Co., of Brooklyn, N. Y., has been incorporated, with a capital of \$20,000. The directors are W. S. Newhall, G. G. Conklin and F. F. Wells, all of Huntington, L. I.

—The new building of the Locke (N. Y.) cold storage company is expected to be in operation by Jan. 1.

—The announcement is made that a company for the manufacture of hygeia artificial ice, free from all impurities, has been organized to do business in Niagara Falls, N. Y.; the water will be boiled and filtered before using.

—The Glen Willow Ice Manufacturing Co., at Glen Willow avenue and the Reading Railroad, Philadelphia, is going to build a one-story addition to its plant, the dimensions of which will be 41x114 feet. The building will contain freezing tanks.

—A three-story brick brewery is to be built at Germantown avenue and Oxford street, Philadelphia, for Rieger & Cretz.

—A number of gentlemen have examined the cold storage plant set up in Meriden, Conn., by W. H. Loomis and F. H. Upham, at the shop of George H. Burr & Co., and there is talk of forming a company in that place. Among the visitors to the plant were Col. Upham, John A. Hurley, John Ives, E. J. Doolittle and E. C. Birdsey.

—Mr. J. Koenigsberg has made arrangements with Messrs. John Featherstone's Sons, of Chicago, to represent them again in the East, their arrangements with Kreiss & Stupp, of Reading, having terminated.

—Mr. Arthur Featherstone, of Chicago, is reported to have made considerable money by betting on McKinley's election.

**ANNOUNCEMENT.**

Mr. A. Gray Kilbourn, Philadelphia, will continue the business of his father, J. K. Kilbourn, manufacturer of ice-making and refrigerating machines, at 935 Drexel Building, Mr. J. K. Kilbourn having retired from the firm.\*\*\*

**For OVER TEN YEARS  
THE STANDARD!**

**P. & B. INSULATING PAPERS** will give better satisfaction and will prove more durable and effective than any others made.

They are free from tar and are absolutely airtight, odorless, and impervious to moisture.

**P. & B. PAINT** cannot be equalled as a preservative for Coils, Vats, Brine Pipes, Iron or Wood no matter how exposed.

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# CITY DRESSED BEEF.

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(Successors to STERN & METZGER),

## WHOLESALE BUTCHERS

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SEE: QUALITY OF CITY DRESSED REFRIGERATED BEEF ALWAYS ON HAND.

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\*\*\*\*\*  
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Redwood's book will give you the points. We will send you a copy for \$1.00.

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Catalogues of books on Mechanics and Engineering of all kinds.

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## GUSTAV GOLDMAN

MANUFACTURER AND DEALER IN

ALL CELEBRATED BRANDS OF  
**BOLOGNAS AND SAUSAGES**

Packer of Tongues, Smoked and Pickled Beef.

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Office, 623 West 39th St., NEW YORK.

TELEPHONE 1430-38TH ST.

## William Ottmann & Co.,

BUTCHERS, PACKERS AND EXPORTERS,

FULTON MARKET,

# SCHWARZSCHILD & SULZBERGER CO.,

NEW YORK ABATTOIRS: KANSAS CITY.  
Packers and Curers of Choicest Grades of  
**Beef, Veal, Mutton and Pork,**  
ALL PACKING HOUSE PRODUCTS.

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DEPOTS: Pacific and 5th Avenues; Wallabout Market.

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POULTRY AND COUNTRY VEAL

A SPECIALTY.

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CHOICE  
Chicago Dressed Beef,  
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## N. H. Snyder,

SHIPPER AND DEALER IN  
Standard Provisions  
and Meat Specialties,

231 Fulton Street, NEW YORK. Telephone Call: 3066 Cortlandt.

Tongues, Tripe and Pigs' Feet in Vinegar, 25, 50 and 100-lb. Kegs. Hotels and the Trade solicited. Orders by Telegraph or Letter promptly attended to.

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WHOLESALE DEALERS IN

## MUTTON, LAMB AND VEAL.

Main Office and Abattoir, 613 to 619 West 40th Street, New York.

Branches at: West Washington Market, New York, 169 Fort Green Place, Brooklyn.

ALSO DEALERS IN

PULLED WOOLS, PICKLED SHEEP AND LAMB PELTS.

## THE HARLEM PACKING HOUSE

## RICHARD WEBBER,

OFFICE AND REFRIGERATED SALESROOMS:

120th Street and Third Avenue,

NEW YORK.

SLAUGHTERER  
OF AND DEALER IN  
CATTLE, HOGS  
AND POULTRY.  
PORK AND BEEF  
PACKER.  
LARD REFINER.  
CURER  
OF FINE PROVISIONS  
FOR HOME AND  
EXPORT TRADE.

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ST. JOSEPH, MO. SIOUX CITY, IA.

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WHOLESALE DEALERS IN  
VEAL, MUTTON and LAMB.

## Veal and Mutton Co.

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TELEPHONE CALL: 935 38th ST.

G. & D. ISAACS,

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240, 242, 244, 246, 248  
Hudson Ave.,  
BROOKLYN, N. Y.

WHOLESALE  
BUTCHERS

MANUFACTURERS OF

DUESSETT BRAND EXTRA OLEO OIL, Stearine, etc.



## NEW YORK MARKETS. OCEAN FREIGHTS.

There is nothing new to chronicle concerning the freight market. All rates are practically as quoted for the past five weeks; probably a slightly higher quotation prevails now. The oil, provision and meat markets are held down by lack of freight room nor may we look for improvement in this direction until the close of the year. The market is decidedly firm and in cotton oil shipment an advance has been made, 5s. per barrel now being quoted to Liverpool and 4s. 6d. to Marseilles. In tallow, lard, bacon and canned meats the quotations are unchanged.

### LIVE CALVES.

All grades of live calves met with a good demand all week. Prices show the stimulating effects of light receipts, and buyers were out in full force on each market day. Good veals were wanted mostly. Westerns did not eat the heads off themselves in the pens while waiting for a buyer. Grassers toward the close loomed up and dealers took everything in this line. We quote:

Good to prime veals.....	6 75 a 7 50
Poor to medium veals.....	4 00 a 6 20
Grassers.....	3 00 a 3 25
Westerns.....	3 85 a 4 15
Fed Calves.....	3 25 a 4 40

### LIVE HOGS.

The receipts were light the past week and there was some sharp trading, especially on the medium and light grades. Prices show somewhat of an improvement at the close. Local slaughterers had light shipments of hogs purchased at other points, and claim they cost a fraction more than the week previous. We quote:

Hogs, heavy.....	3 50 a 3 75
Hogs, light to medium.....	3 80 a 4 15
Pigs.....	4 20 a 4 45
Roughs.....	3 10 a 3 35

### LIVE SHEEP AND LAMBS.

The inquiry all week for sheep and lambs was brisk, and at the opening under light receipts prices rose rapidly. Towards the close the arrivals were heavier and some of the advantage gained at the opening was lost, particularly on heavy lambs. Quite a number of Canada lambs were offered. Light handy stock, both of sheep and lambs, have the call.

The market closed out in good shape. We quote.

Good to choice lambs.....	5 05 a 5 20
Poor to medium lambs.....	4 40 a 4 80
Good to choice sheep.....	3 45 a 3 75
Common to medium sheep.....	2 50 a 3 25

### DRESSED BEEF.

The dressed beef trade was rather irregular all week. Prices at the opening advanced with active trading, followed by periods of dullness, and at the close a slight development of weakness which was caused by dealers cleaning up their old lots. The quality of the beef was only fair to medium, with a scarcity of good cattle and a very small percentage of light cattle. Rough stock held firmer throughout. Coarse meat is selling exceptionally well. It is the general belief that cattle will remain firm for a few weeks, as the change from Westerns and Texans to natives will curtail receipts. We quote:

Choice Native, heavy.....	7 1/2 a 8
" " light.....	7 1/4 a 7 1/2
Common to fair Native.....	6 a 6 1/2

(Continued on page 37.)

## PACKERS

DESIRING

## COLD STORAGE

In New York

SHOULD APPLY TO

**Terminal Warehouse Company**

Offices, No. 9 Produce Exchange,

NEW YORK CITY.

Central Stores, W. 27th and 28th Streets and North River.

**Cold Storage and Freezing.**

## NORTON & WORTHINGTON,

BROKERS, No. 3 Chicago Board of Trade, CHICAGO.

Execute Orders for the Purchase or Sale of  
GRAIN, PORK, LARD, RIBS, SEEDS, ETC.,  
FOR CASH OR FOR FUTURE DELIVERY.

Correspondence Invited.

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Or posting the transactions made in your business is a vital point. To do it correctly, legible and easy for checking and reference, you should have the latest and best improved device.

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Price list and catalogue for the asking.

Printers of stationery for all kinds of Registers.

**The EGRY AUTOGRAPHIC REGISTER CO.** DAYTON, OHIO,  
U. S. A.

## WRITE US FOR PRICES

ON CARLOAD LOTS OF

**Dressed Beef, Mutton, Veal and Hogs,  
also Sweet Pickled and Smoked  
Meats, Kettle-Rendered Lard,  
etc.**

We are in the great Iowa cattle and hog belt and think we can do you some good.

**TRI-CITY PACKING & PROVISION CO.,**

Manufacturers and Jobbers,

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## ROBT. H. KELLY & CO.,

Grain, Provisions, Stocks and Cotton.

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### THE POSSIBILITIES

For money making are unusually good at the present time, and the extremely low prices now prevailing should be taken advantage of by the investor. Our handbook and daily review of the market sent free upon request. "Facts and Figures," the best and most complete book published pertaining to the speculative business, sent to any address for 10 cents in stamps. Always glad to correspond with any one concerning the markets and cheerfully furnish any information wanted in regard to same. Favor us with a share of your business and you will not regret placing your orders through our house.

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BUY OR SELL

Wheat, Corn, Oats or Provisions on the  
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Accounts of GRAIN DEALERS or orders for

**SPECULATIVE INVESTMENT**

Solicited. Write to us. Liberal advances made on consignments where Drafts are drawn with Bills of Lading attached. Private Cipher Code and Market Manual furnished free.

**McLAIN BROS. & CO.**

RIALTO BUILDING, CHICAGO.

## Good Meat Alone

is not enough. The butcher who wishes to build up a big trade must have a nicely furnished shop. The man who has

## An Up-to-date Shop

will get the up-to-date trade. Customers like to see attractive refrigerators, modern machinery and handy tools.

## All Butcher Fixtures

of the latest and best make, as well as refrigerators and tools, are manufactured by

**T. FARRELL,**

328 West Forty-First Street,  
NEW YORK CITY.

•• Established 1868 ••

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& CO.**

Manufacturers and  
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**Sausage  
Casings**

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**SPICES.**

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96 and 98 Pearl Street

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47 to 53 St. John Street

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**BERTH LEVI & CO.,**  
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**HOG AND BEEF CASINGS.**

Importers of English, Russian and New Zealand Sheep Casings.  
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**SAUSAGE CASINGS**

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**VORNBERGER, HIRSCH & CO.**

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MANUFACTURERS AND CLEANERS OF PRIMEST QUALITY

610 West 39th Street, NEW YORK.  
5 Cowcross St., LONDON. 48 Market St., GLASGOW.  
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Established throughout Great Britain and Germany.  
**ONE QUALITY ONLY.**

**Sheep Casings,  
Cattle Cuts,  
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"THE BEST."

**CASINGS** **WEIL'S CASING COMPANY,**  
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Cleaner of and Dealer in **SAUSAGE CASINGS.**  
all kinds of  
Best Spices, Saltpetre and Potato Flour.

**JOSEPH BACHARACH, SAUSAGES.**

347 GREENWICH ST., NEW YORK.

Established 1876.

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Importer and Exporter of  
GERMAN, FRENCH, ITALIAN AND  
FINE WESTERN.

**SPICES** **PLAUT & STRETCH,**  
Importers and Jobbers of SPICES,  
"PURITY SPOICE MILLS."  
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Supplies for the Packing, Provision and  
Sausage Making Trades a specialty.  
IF QUOTATIONS AND SAMPLES SENT TO ANY ADDRESS.

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134 PEARL STREET, NEW YORK.

ESTABLISHED 1874.

**M. ZIMMERMANN,**  
MANUFACTURER AND DEALER IN ALL KINDS OF  
**Kosher Provisions**  
LARGEST PLACE OF ITS KIND IN THIS CITY.  
318-320 E. Houston St., NEW YORK.

**SALTPETRE** **KNOWLES BROS.**  
CRYSTALS, GRANULATED AND POWDERED.  
181 Pearl Street, New York,  
REFINERS.



# The New York Retail Butchers' Mutual Protective Association

... OFFICERS ...

ARTHUR BLOCH, President, 791 Park Ave.  
WM. G. WAGNER, 1st Vice-Pres., 573 First Ave.  
GEO. H. SHAFFER, 2d Vice-Pres., 474 Fourth Ave.  
FELIX HAAS, Treasurer, Central Market.  
OTTO GEISS, Financial Secretary, 508 West 51st St.  
CHARLES YOUNG, Recording Sec., 873 Park Ave.  
GEO. WILLI, Corresponding Sec., 710 Second Ave.  
PATRICK MAY, Serg't-at-Arms, 533 W. 39th Street.

OFFICE, 873 PARK AVE.

NEW YORK.

MEETINGS HELD EVERY SECOND AND FOURTH MON-  
DAY OF EACH MONTH. MEETING ROOMS: RETAIL  
GROCERS' HALL, 138 & 140 EAST 57TH STREET.

NEWS COMMITTEE:

EDWARD DAVIES, West Washington Market.  
FELIX HAAS, Central Market.  
HERMAN BROCKNER.

## NEW YORK CITY AND VICINITY.

*Employers in want of help, and employees in search of positions, and such wanting to dispose of machinery or desiring to purchase same should look at our WANT AND FOR SALE COLUMN on page 46.*

\*\* Superintendent Richards, of the Eastmans Company, in talking with a "National Provisioner" representative, said he believed that Texas had a great future as a cattle and hog State. Its facilities are first-class to attain this reputation, and Texas may some day rival such great centers as Kansas City and Omaha and Chicago. But, of course, this will take time. Mr. Richards, as will be remembered by readers of this paper, has recently returned from a Western trip, which included visits to the National Live Stock Exchange, in Fort Worth, Tex., and at the Texas State Fair, in Dallas, so he knows whereof he speaks. What is lacking in Texas is capital. With a judicious outlay of money in the Lone Star State, the live stock industry would have a great boom, and the investor would receive a dividend on his money.

\*\* For some unaccountable reason cattle are getting higher and scarcer from day to day, said Kaufmann & Strauss to me Monday.

\*\* The office of Nelson Morris & Co., in Manhattan Market, has been enlarged to meet the requirements of the firm's business.

\*\* Charles Miller, in West Forty-fifth street, is doing his share of business in supplying new butchers with fixtures. In addition to fitting up the new market of Loschinger Bros., noted in this paper last week, he is now busy with a large order from Sol. Haas, who will open a market around Dec. 1 at Twenty-sixth and Second avenue.

\*\* We are requested by the News Committee of the Retail Butchers Association to state on their authority that the Armour Packing Co. is supplying the Department Stores with meats and provisions.

\*\* A hearing of the case of the Board of Health of this city against Jacob Levy for importing fat, was to have been held on Tuesday last, but it was postponed for one week.

\*\* Mr. Carroll S. Page, of Hyde Park, Vt., visited the metropolis last Saturday. He called on Mr. A. K. Vail, of 84 Gold street, and others in the trade.

\*\* Mr. Schwind, of Wolf, Sayer & Heller's, has returned from a business trip to Pittsfield, Mass.

\*\* Richard Webber, of the Harlem Packing House, has inaugurated a method which is greatly appreciated by his customers. It consists to purchase from any or all of the sales-

is for the convenience of customers, who desire to purchase from any or all of the salesmen in any of the departments and the total payment is then made to cashier issuing same.

\*\* On page 44 of this issue will be found the advertisement of Walter A. Banta, successor to The George F. Banta Refrigerating Co., one of the oldest establishments of its kind in New York City. From the numerous references before us of their patrons, and from personal observations, covering several years, of the durability and superiority of their workmanship, combined with the latest approved style, their system of insulation and refrigeration is deservedly to be commended to all users of ice houses and cold storage. Packers of provisions, butchers and grocers would do well, if in want of same, to write for estimates and prices before purchasing elsewhere.

\*\* Mr. James H. O'Brien, manufacturer of scales, of this city, whose advertisement appears on page — has been very busy this week putting in new scales, etc., in the packing house of Filter & Reich, of Myrtle avenue, Brooklyn. He also reports several other contracts in hand, and the prospect of business good.

\*\* Messrs. Schanz & Koehler fitted up the new market of M. Meierdierck, 263 Belmont avenue, Newark, N. J., recently, and it has given such satisfaction that other local orders have been the direct result.

\*\* Alexander McDickin, a wholesale butcher, of Brooklyn, has been sued for \$10,000 for alleged slander by Miss Louise Miller, of the same city.

\*\* Abraham L. Soper, of Northport, L. I., is suffering from pickled feet. He pickles cucumbers for a living, but the other night through a mishap he pickled his feet, and now his shoes are too big for him. Mr. Soper's feet were in pickle just twelve hours. He would not have kept them in the brine that long, but the sides of the tank were high and he is short of stature and could not get out. All night long Mr. Soper remained in pickle, his cries for help only echoing mockingly back at him, but "joy cometh in the morning." When the faint gray streaks in the East proclaimed the dawn of another day, although the only streaks Mr. Soper saw were those against the side of the tank which surrounded him, the prisoner to his joy saw resting on the plank over the top of the tank, a box. He improvised a lariat with some twine in his pocket and in true cowboy style lassoed the article referred to. Standing on this pedestal he made a leap for the top of the pickling tank and succeeded. Mr. Soper is able to walk about now, but his feet are not so large as they were.

(For other City Items see page 31.)

## COTTON OIL REFINING.

The patent taken up by F. B. Aspinall, of London, England, over a year ago, with regard to cotton oil refining, is said to give entire satisfaction. The method consists of agitating the crude oil in a large tank, with a suitable proportion of salt water mixed in. When a thorough mixture is obtained, caustic soda lye is added until the oil is broken. Agitation is then stopped, warm water is sprinkled over the oil, the clear oil comes to the top and the coloring matter subsides with the water. The temperature is maintained at 80° F.

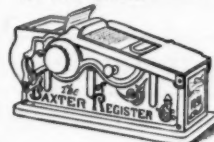
When your soap gets rancid and when you want to apply the remedy, consult our analytical laboratory.

## THE VALUE OF A REGISTER

Depends on the work it will accomplish. When you see our Register you will note these points:

ATTRACTIVENESS,  
STRENGTH,  
SIMPLICITY,  
RESULTS OBTAINED,  
THE PRICE, \$15.00,

WITH A GUARANTEE  
FOR FIVE YEARS...



The customer gets a bill; cashier or spindle a duplicate; third record locked up inside; all done at one writing. Catalogue explains it all.

**Baxter Bros. & Co.**  
340 Dearborn Street,  
CHICAGO.

Beware of Infringements.

**CERTIFICATE OF ANALYSIS.** MESSRS. B. HELLER & Co., Chicago.—We have analyzed and tested your Zanzibar Carbon and have found the same to be free from any injurious substances and also to be well adapted for the purposes for which you recommend it. We therefore do not hesitate to endorse the use of same to the meat and provision trades. Yours very truly,

**THE NATIONAL PROVISIONER ANALYTICAL LABORATORY,**

Official Chemists to the New York Produce Exchange.

H. E. STURCKE, Ph. D. Chief Chemist.

NEW YORK, AUG. 14TH,

1896.



# ZANZIBAR-CARBON

TRADE-MARK REGISTERED

.. WE ..  
FIGURE THIS WAY.

All we want is an opportunity to convince you that it is to your advantage to use Zanzibar Carbon, and kindly ask you to write for Sample, Catalogue and other coloring matter. B. HELLER & CO., MANUFACTURING CHEMISTS, 249-253 S. JEFFERSON ST., CHICAGO, ILL.

Sample and 50 page book on coloring meats and sausages, FREE.

**SWIFT AND COMPANY - CHICAGO -**

MANUFACTURERS  
HIGH GRADE

**SUMMER SAUSAGE**

FOR DOMESTIC AND EXPORT TRADE.

CERVELAT  
SALAMI.

QUOTATIONS UPON APPLICATION.

HOLSTEINER  
FARMER.

Cable Address: "ESSBEEF."

Telephone: No. 436, JERSEY.

## Jersey City Packing Company,

BEEF AND PORK PACKERS. CURERS AND EXPORTERS OF AND DEALERS IN FINE PROVISIONS. REFINERS OF LARD.  
Manufacturers of "White Star" Brand of Lard. "Eagle" Brand of Hams and Breakfast Bacon. "Peerless" Brand Sausages.  
BEEF AND PORK PACKED SPECIALLY FOR ALL CLIMATES.

Salesrooms and Packing Houses: 138-154 9th St., JERSEY CITY, N. J.

## NORTH PACKING and PROVISION CO.

PACKERS AND JOBBERS OF  
PROVISIONS

Highest Award, Diploma and Medal, at World's Fair, for Pure Lard, Hams, Bacon, Bbl. Pork, Neutral Lard, Sausages.

PURE LEAF LARD, 3, 5, 10-LB. PAIL TUBS,  
TIERCES.

33 & 34 N. MARKET STREET, BOSTON.  
444, 446 & 448 PRODUCE EXCHANGE, N. Y. CITY.

Try their North Star Brand for something extra choice. Sure to please.

PACKING HOUSE, - SOMERVILLE, MASS.

## FREDERICK BOHNET, GENERAL PROVISION DEALER,

Established 1850.

TELEPHONE, NO. 662 FRANKLIN.

188 & 190 MONROE ST., NEW YORK.

ORDERS PROMPTLY ATTENDED TO.  
CITY OR COUNTRY.

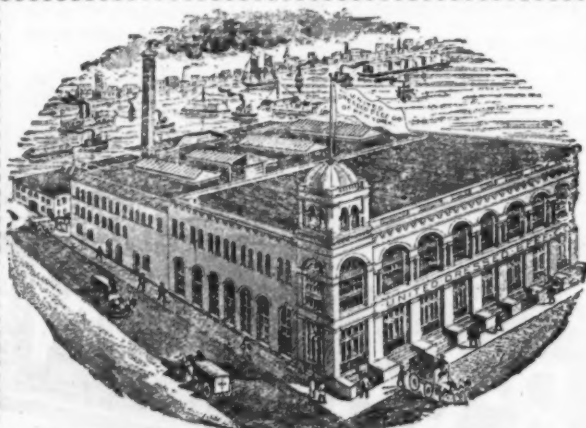
## John P. Squire & Sons' HAMS AND BACON

ARE THE FINEST IN THE WORLD.

Telephone 262 Franklin. Their process of preparing and curing gives that delicate flavor and beautiful color for which they are noted, and adapts them to any climate or season of the year.  
OUR KETTLE RENDERED LEAF LARD CANNOT BE EXCELLED.

... 20 Harrison Street, New York.

READ THE  
COLORED INSERTED SHEET



## The United Dressed Beef Company

Telephone.

314 3rd St.

OF NEW YORK,

Sales Office Telephone, 303 38th St.

## CITY DRESSED BEEF.

PACKERS AND EXPORTERS OF INDIA MESS AND ALL SALT BEEF.

HIGHEST PRICES PAID FOR SHOP FAT AND KIDNEY SUET.

Beef Casings, Dried Blood, Fertilizers, Oleo Oils, Stearine,  
Prime City Tallow, Ground Bone, Horns and Cattle Switches,  
Selected Hides. All Grades Salted Beef.

43d & 44th STREETS,  
FIRST AVE. and EAST RIVER, NEW YORK.

ISAAC DILMENTHAL, President.  
LEWIS SAMUELS, Treasurer.

ADOLPH EDELMUTH, Vice-President.  
LEWIS A. LONDON, Secretary.

LOOK AT PAGE 47.



Choice Western, heavy.....	7	a 7½
" " light.....	6½	a 6½
Good to prime Texan.....	6	a 6½
Common to fair Texan.....	4½	a 5½
Good to choice Heifers.....	5½	a 5½
Common to fair Heifers.....	5	a 5½
Choice Cows.....	5½	a 6
Common to fair Cows.....	3½	a 5
Good to choice Oxen and Stags.....	6	a 6½
Common to fair Oxen and Stags.....	4	a 5½
Choice Bulls.....	4	a 5
Common Bulls and Cows for Bologna.....	2½	a 4

**GAME.**

Good weather early in the week helped to stimulate the demand for game and everything moved out at firm prices. The receipts were heavier than of late. We quote:

Quail, choice, per doz.....	1 75	a 2 00
" small, ".....	1 00	a 1 50
Partridges, near-by, per pair.....	85	a 1 00
" " Western, undrawn, prime, pair.....	a 75	
" " prime, drawn.....	a 80	
Grouse, Western, prime, per pair.....	1 15	a 1 25
Woodcock, fair to choice, per pair.....	75	a 1 00
Wild Ducks, canvas, per pair.....	2 50	a 3 00
" " readheads, per pair.....	1 50	a 2 00
" " mallard, per pair.....	60	a 80
" " blue wing, teal, per pair.....	a 40	
" " green wing, teal, per pair.....	25	a 30
" " common, per pair.....	20	a 25
Rabbits, per pair.....	15	a 30
Venison, short saddles, per lb.....	20	a 22
" " whole deer, ".....	10	a 12

**DRESSED POULTRY.**

The light receipts all week enabled dealers to put a further advance on dressed stock. The business was slow until about the middle of the week before the traders began to shop around then they realized the condition of affairs and picked up the goods that suited them at a lively rate. Chickens were a trifle scarce. Fowls continue to run poor but the short supply helped dealers to realize fancy prices for only ordinary stock. Scalded chickens are hard to obtain and bring fancy prices. The quality of the turkeys runs rather irregular.

Turkeys, young, av. best, as they run.....	11	a 12
" " culls.....	7	a 9½
" " old, mixed weights, per lb.....	10	a 11
Chickens, Philadelphia, selected.....	14	a 15
" " common to good.....	9	a 12
" " Western, d. p., fancy.....	11	a 11½
" " " av. prime.....	10	a 10½
" " " common.....	8	a 9
" " " scalded, choice large.....	11½	a 11½
" " " av. prime.....	10½	a 10½
" " " poor to fair.....	7	a 7½
Fowls, Western, dry-picked, choice.....	a 8½	
" " " scalded, av. prime.....	a 10	
" " " poor to fair.....	a 9	
Old Cocks, Western, per lb.....	6½	a 7
Spring Ducks, Eastern and Long Island, lb.....	a 14	
" " Western, mixed, per lb.....	10	a 11
Old Ducks, Western.....	a 9	
Spring Geese, Eastern, per lb.....	13	a 15
Squabs, choice, large, white, per doz.....	1 75	a 2 25
" " poor to good, per doz.....	1 25	a 1 50

**DRESSED CALVES.**

The receipts were higher, and there was rather a scarcity of handy, choice calves.

Westerns show a large improvement, as shipments were light. Grassers sold better than for some time past. Country dressed particularly light grades, are scarce. We quote:

Good to choice veals.....	11	a 12
Common to medium Veals.....	8	a 10½
Westerns, heavy.....	5½	a 6½
" " light and medium.....	8½	a 10
Grassers.....	5½	a 6½
Country Dressed.....	6	a 11

**DRESSED HOGS.**

Early in the week the feeling was rather firm for all grades, the offerings were fairly liberal and the demand good. Towards the close a slight weakness was perceptible, but everything went out at good prices.

Hogs, 160 and over.....	4½	a 4½
Hogs, 140 and over.....	5	a 5½
Hogs, 120 and over.....	5½	a 5½
Pigs, light.....	5½	a 5½
Pigs, medium.....	a 5½	
Roughs.....	4	a 4½

**DRESSED SHEEP AND LAMBS.**

The sheep and lamb market was under the same influences as other grades of meats. Lighter receipts and a good demand caused an upward tendency to prices, so that at the close sheep showed a considerable gain over last week. Lambs started to move up at the opening and continued to improve up to Wednesday, after which a slight weakness developed, which caused a small drop on any rough or heavy stock, while light and handy choice stock closed steady. The trade seems to be set against buying any heavy stock, as they claim there is too much waste and a loss of money to them.

Good to choice lambs.....	7½	a 8½
Common to medium lambs.....	6½	a 7½
Good to prime sheep.....	6½	a 7
Common to medium.....	5½	a 6

**PROVISIONS.**

(JOBBER TRADE).

There was a good trade and fairly active market all week, especially in fresh cuts. Smoked meats show no change in prices, but a larger volume of business is to be recorded. Picked goods remain about nominal, with only a moderate amount of stock being offered.

Smoked hams, 10 to 12 lbs. average.....	10	a 10½
" " 14 to 16 ".....	9½	a 10
" " 18 lbs and over.....	9½	a 10
California hams, smoked.....	6	a 6½
New York cut shoulders, smoked.....	4½	a 5
Boneless bacon.....	8	a 10
Bacon (rib in).....	7½	a 8½
Pickled hams, light.....	9	a 9½
" " heavy.....	8	a 8½
" " bellies, light.....	6½	a 8
" " heavy.....	5	a 5½
" " California hams.....	4½	a 5½
Fat backs, 40 to 45.....	4½	a 5½
" " 30 to 35.....	4	a 4½
" " 20 to 25.....	a 4	
Pork loins.....	7½	a 8½
Spare ribs, per tee.....	13 00	a 15 00

**LIVE POULTRY.**

The tone of the market all week was firmer at the advance reported at the close of last week. The receipts would about equal the week previous. The demand shows a fair inquiry.

Fowls, Local, per lb.....	10½	a 11
" " Western, per lb.....	10	a 10½
" " Southern.....	a 8½	
Chickens, local, per lb.....	9	a 9½
" " Western, ".....	9	a 9½
" " Southern, ".....	8½	a 9
Roosters, old, per lb.....	6	a 6½
Turkeys, mixed.....	9	a 9½
Ducks, Western, per pair.....	60	a 85
" " Southern, per pair.....	50	a 60
Geese, Western, per pair.....	1 12	a 1 75
" " Southern, ".....	1 00	a 1 25

**LIVE CATTLE.**

There was a good trade and an active cattle market all week. The receipts were about the same as the week previous.

Prices went higher at all other points and the amount of cattle in sight was less than for some time past; these items had a tendency to draw buyers out and prices took an upward turn so that at the close quite a gain is to be noticed.

Good to choice cattle are scarce and seem to be in greater demand than of late. Light cattle are very short of supply in this market. Rough butcher stock in sympathy with all other grades caught the advance. There was very few cattle offered good enough for export.

A year ago good to prime native cattle sold in this market at \$4.45 to \$4.85 pr. cwt. Latest cables quote American steers selling lower at 9½¢ to 10½¢ c., dressed weight. American sheep dull at 8½¢ to 9½¢ c., dressed weight. Refrigerator beef selling at 9½¢ to 8½¢ c. Shipments of live stock and dressed beef from the United States and Canada for the week ending Nov. 7, 1896, was as follows:

	Live Cattle	Live Sheep	Quarters Beef
New York.....	2,265	1,745	11,390
Boston.....	2,860	2,982	8,867
Baltimore.....	774		1,460
Philadelphia.....	415		1,022
Montreal.....	2,472	240	
	8,786	5,167	22,739

**Destination of shipments:**

	Live Cattle	Live Sheep	Quarters Beef
London.....	2,094		1,959
Liverpool.....	4,287	4,822	18,156
Glasgow.....	1,874		
Southampton.....			2,633
Hull.....	90		
Bristol.....	386		
Bermuda & W. I.....	55	345	
	8,786	5,167	22,739

Good to choice Native Steers.....	4 60	a 5 05
Poor to medium ".....	3 60	a 4 25
Texans and rangers.....	2 90	a 4 05
Cows and Bulls.....	1 20	a 3 20
Oxen and Stags.....	2 60	a 4 05

**BONES, HOOF, HAIR AND HORNS.**

Good country hide cuttings per lb.....	1½	a 2
Sinews, green.....	¾	a 1
" " dry.....	2½	a 3½
Bones, dry and clean, 2000 lbs.....	14	00

**SPICES.**

	Whole.	Ground
Pepper, Sing. Black.....	6½	7½
" " White.....	10	12
" " Red Zanzibar.....	15	20
" " Shot.....	8	
Allspice.....	6	8
Coriander.....	4	6
Cloves.....	10	18
Mace.....	45	10
Nutmegs, 110s.....	50	50
Ginger, Jamaica.....	23	26
" " African.....	10	13
Sage Leaf.....	10	12
" " Rubbed.....		12
Marjoram.....	25	

**SAUSAGE CASINGS.**

Sheep, English, wide per keg.....	32 00
" " per ½ keg.....	17 00
" " medium, per keg.....	25 00
" " Australian, per lb.....	30 a 40
" " New Zealand, wide.....	30 a 40
" " domestic, per keg.....	20 00
Hog, American, tcs, per lb.....	14
" " bbls., per lb.....	14
" " ½ bbls., per lb.....	15
" " kgs, per lb.....	16
Beef guts, rounds, per set.....	15
" " " per lb.....	3 a 4
" " bungs, per piece.....	a 7
" " " per lb.....	5 a 6
" " middles, per set.....	40
" " " per lb.....	7 a 8
" weasands, per 1,000.....	4½ c. per 100

**BUTCHERS' FAT.**

Rough butcher's fat.....	1½
Inferior.....	1
*Suet, fresh and heavy.....	2½
Shop bones (per cwt.).....	15 a 25

**GREEN CALF SKINS.**

Veal Skins, No. 1.....	13
Veal Skins, No. 2.....	11
Buttermilks, No. 1.....	11
Buttermilks, No. 2.....	09
Kips, No. 1, Heavy.....	1.90
Kips, No. 1, Light.....	1.60
Kips, No. 2, Heavy.....	1.65
Kips, No. 2, Light.....	1.20
Buttermilk Kips.....	1.20
Branded Kips.....	1.60
C. S. No. 3.....	40
Bobs.....	25

HARRY ROBE, ASSOCIATED.

**B. C. SHEPARD,**

Commission Buyer of

**CATTLE,**  
**HOGS AND**  
**SHEEP.**

N. Y. Central Stock Yards,  
EAST BUFFALO, N. Y.

Office, Room 13,  
115a Stock Exchange Building.





## The Fertilizer Market.

New York, Nov. 13.

The contracts referred in our provision reviews have been taken and the indications are that some were required to cover short sales made two or three weeks ago. Prices obtained for these short sales are rumored to be on a basis of 140 unit of ammonia and 10 cents per unit of phosphate delivered Richmond, which on an estimated analysis of, say, 9½ per cent. of ammonia and 20 per cent. phosphate, would be \$15.50, equal to \$11.50 f. o. b. Chicago, less shrinkage in transit and expenses connected with delivery. This would indicate a minimum loss of \$3 per ton from the purchase prices of the contracts referred to—\$14 to \$14.50 f. o. b. Chicago. As far as the unsold portion of these contracts are concerned, that, of course, will have to be disposed of later, and the market will have to rule much higher than to-day to yield a profit.

It is the opinion of the trade here packers do not serve their interests by contracting the bulk of their output a year ahead. By controlling their products as made, a better opportunity is afforded for maintaining prices. The indications are that higher prices for all fertilizer materials will prevail, a reflection of the improvement already in evidence will be found in the advanced prices herewith quoted:

Tankage, 9 to 9½ am.; 5 to 10 phos.	\$13.00 a	\$13.50 f.o.b.
" 9 "	18 to 20 "	14.00 a 14.50 "
" 10 "	12 to 12 "	14.00 a 14.50 "
Dried blood, per unit of ammonia	.....	\$1.35
Concentrated tankage	.....	\$1.27½ a \$1.30
Ground bone, fine average, per ton	.....	\$19.00 a \$21.00
Kainit, future shipment, per 2,000 lbs.	.....	8 80 a 9 25
Kainit, ex store, in bulk	.....	8 80 a 9 25
Kaiserit, future shipment	.....	7 25 a 7 50
Muriate potash, 80 per cent., fut. ship.	.....	1 78 a 1 81½
Muriate potash, 80 p. c., ship, ex store.	.....	1 80 a 1 82½
Nitrate of soda, spot	.....	1 75 a 1 77½
Nitrate of soda, futures	.....	1 80 a 1 85
Double manure salt (48 a 49 per cent. less than 2½ per cent. chloride), to arrive, per lb. (basis 48 per cent.)	.....	1 03 a 1 05½
The same, spot	.....	1 03 a 1 05½

**C. J. CARDNER,**

LITTLE MONITOR

**BEEF REFRIGERATOR**

AND WHOLESALE DEALER IN

*Beeves, Sheep, Lambs, Calves.*

**TALLOW, HIDES, FERTILIZER etc**

**SLAUGHTER-HOUSE PRODUCTS.**

**INDIANAPOLIS, IND.**

**"BIG  
— FOUR —"**

THREE  
GREAT  
TRAINS.

**"KNICKERBOCKER SPECIAL."**

BETWEEN ST. LOUIS, INDIANAPOLIS,  
CLEVELAND, NEW YORK AND BOSTON.

**"SOUTHWESTERN LIMITED."**

BETWEEN CINCINNATI, COLUMBUS,  
CLEVELAND, NEW YORK AND BOSTON.

**"WHITE CITY SPECIAL."**

BETWEEN CINCINNATI, INDIANAPOLIS  
AND CHICAGO.

E. O. McCORMICK,  
Pass. Traffic Manager.

D. B. MARTIN,  
Gen. Pass. & Tkt. Agt.

High grade manure salt (90 a 98 per cent. sulphate potash), to arrive (basis 90 per cent.)	1 09¾ a 2 03
Manure salt in bulk, 24 a 36 per cent. per unit O. P.	36¼ a 38
Bone black, spent, per ton	16 00 a 16 50
Ammonia superphosphate, high grade	25 00 a 26 00
Sulphate ammonia, for gas, per 100 lbs.	2 15 a 2 20
Sulphate ammonia for bone, per 100 lbs.	2 10 a 2 15
South Carolina phosphate rock, ground, per 2,000 lbs.	5 00 a 5 25
South Carolina phosphate rock, undried, f. o. b. Ashley River, per 2,240 lbs.	3 00 a
The same, dried	3 25 a 3 40

### BALTIMORE FERTILIZER REPORT.

The Western market the past week has been very active.

We note sales of Packing House products of 9 and 20 tankage for six and twelve months next, footing up 12,000 tons or more. Prices range from \$13.50 to \$14.50 f. o. b. Chicago. The sales are partly speculative and partly for account of Eastern manufacturers.

The Southern demand was to a considerable extent supplied before election, and is now quiet. We quote:

Blood, \$1.52½ to \$1.55 f.o.b. Chicago.	
Concentrated Tankage, \$1.45.	
Hoof Meal, \$1.45.	
High Grade Tankage, 9 to 10 per cent., \$14.00 to \$14.50.	
" " 8 and 20 at \$12.50.	
" " 7 and 30 at 11 50.	

**SEE COUPON ON PAGE 27.**



### THE GLUE MARKET.

A steady and full demand obtains for all grades of glue. The busy season has fairly commenced, and the outlook is excellent. Prices of domestic makes firm at unchanged figures. Foreign glues are in scant supply and at slightly higher figures than this market quotes. The principal houses report plenty of large orders ahead, which were held back while the election was in doubt.

A Extra, white	22c
1 Extra "	18c
1 X "	16c
1 ½ Hide, brown	14c
1 ½ "	13½c
1 ½ "	13c
1 ½ Bone	12c
1 ½ "	10c
1 ½ "	9c
1 ½ "	8c
1 ½ "	7c

### CHEMICALS AND SOAP MAKERS' SUPPLIES.

74 per cent. caustic soda, 2½ for 60 per cent.; 77 per cent. caustic soda, 2.25 for 60 per cent.; 60 per cent. caustic soda, 2.40 lb; 98 per cent. powdered caustic soda, 4c lb; sal soda, 70c per 100 lb; carb. of potash, 5½c lb; caustic potash in drums, 600 lb, 5½c; small drums, 6½c; borax, 6¼c lb; tale, 1¼c lb; Cochiti coconut oil, 6¼c lb; Ceylon coconut oil, 5½c lb; palm oil, 5c lb in casks; yellow olive oil, 55c gal.; green olive oil, 50c gal.; green olive oil foots, 4¾c lb; cottonseed oil, 27½c gallon; cottonseed soap stock, 1¼c lb; rosin, \$2.25 to \$3 per 280 lb.

### NO PORK PACKER

Can afford to be without

### THE CHAMPION FAT CUTTING MACHINE

Cuts 100 lbs. per minute uniformly. Reduces Cracking Cake 6 per cent.

**HAS STOOD ALL TESTS.**

MADE ONLY BY

**JOHN B. ADT,**

332 to 342 N. Holliday Street,

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Architects and Builders.

ABATTOIRS, PACKING HOUSES,  
COLD STORAGE HOUSES.

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185 DEARBORN STREET,  
CHICAGO, ILL.

CORRESPONDENCE SOLICITED.

A few of the Houses Designed and Built by us:

Anglo-American Provision Co., Chicago.  
" " Atchison, Kan.  
" " Kansas City, Kan.  
South St. Paul Packing Co. (2 houses), St. Paul, Minn.  
Sioux City Stock Yards Co. (2 houses).  
Omaha Stock Yard Co. (2 houses).  
Smith's House, Atchison, Kan.  
Union Stock Yards Co., St. Joseph, Miss.  
Tremont Stock Yards Co., Tremont, Neb.  
Claremont Abattoir Co., Baltimore.  
Indianapolis Abattoir Co., Indianapolis, Ind.  
Pittsburg & Allegheny Abattoir Co. Pittsburg, Pa.  
Rodeo Stock Yards Co., San Francisco, Cal. (2 houses).  
St. Louis Union Abattoir, St. Louis, Mo.  
Eickel & Weil P'k'g and Prov. Co., Evansville, Ind.

## J. G. GLOVER, Architect.



J. G. GLOVER, ARCHITECT  
& C. C. BEEBE, ASSOCIATE

186 Remsen St., BROOKLYN, N. Y.

Refrigerated Buildings  
A SPECIALTY.

PLANS AND  
SPECIFICATIONS

Furnished in shape to obtain  
competitive bids, thus saving  
time and money.

Correspondence Invited.

**WALTER A. BANTA,**

(SUCCESSOR TO GEO. A. BANTA REFRIGERATOR CO.)

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NEW YORK.

BUILDER OF

**REFRIGERATORS AND FREEZERS**

FOR ALL PURPOSES.

Estimates and Plans furnished for the Insulation of Packing

Houses, Markets and Cold Storage Rooms.

Portable Refrigerators for Butchers and Hotels.

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**Small Freezers for Poultry  
and Game a Specialty!****CALLERINE****THE IDEAL FOOD PRESERVATIVE.**

For the Preservation of all kinds of Food Products, Milk, Cream and Butter. Fish, Flesh or Fowl, Fruits and Vegetables without the use of ice or any other preservative.

**CALLERINE**

WILL PRESERVE MEATS OF ALL KINDS.

**WE GUARANTEE**

CALLERINE to be entirely free from Salicylic, Boracic or Benzoic Acid, Coal Tar Products or any Salt or Compound of the same.

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THE BEAUMONT CO., 125 HUDSON STREET, NEW YORK.  
I. L. NEWMAN, 6 S. HOWARD STREET, BALTIMORE, MD.  
CALLERINE MFG. CO., 34 W. Chestnut St., Lancaster, Pa.**Certificate of Analysis.**

New York, July 1, 1896.

THE CALLERINE MANUFACTURING CO.,  
612 Arch Street, Philadelphia, Pa.

Dear Sirs:—We have analyzed and tested the preserving fluid called "CALLERINE," and have found it to be an excellent and effective preservative for food of all kinds and to be free from harmful ingredients, and we therefore gladly endorse the use of same.

Respectfully,

THE NATIONAL PROVISIONER ANALYTICAL LABORATORY.  
H. E. Stilleke, Ph.D., Chief Chemist.**THE CALLERINE MANUFACTURING COMPANY,**

612 ARCH STREET, PHILADELPHIA.

# Cripple Creek Gold.

WE ADVISE THE IMMEDIATE PURCHASE OF THE FOLLOWING STOCKS,  
FOR EITHER A SPECULATION OR INVESTMENT:

## INDEPENDENCE EXTENSION

Just south and within 300 feet of the world-famous Independence mine. Now selling at 10c.

## BULL HILL GOLD TUNNEL CO.

A tunnel site through Bull Hill, running under many shipping mines. at 3c. per share.

## THE MUTUAL BENEFIT

## MINING & LEASING CO.

Has a three years' lease on the Oldest Tunnel Site in Cripple Creek, containing 100 acres, between the Anchoria Leland and C. O. D. mines, also the Lelia mine containing 10 acres. 700,000 shares out of 1,100,000 still in the treasury. \$7,000 plant of machinery, etc. This stock is now selling at 3c.

WRITE OR WIRE US FOR FURTHER INFORMATION.

**THE MECHEM INVESTMENT COMPANY,**  
COLORADO SPRINGS, COL.



**KANSAS CITY HIDE REPORT.**

At present writing the packer hide sales man has all the vices, but, alas, none of the noble virtues of that most estimable gentleman—Col. Sellers. To be sure just now the packer man has not the vaunting ambition of his great compeer, but if he cannot see millions, he can positively see thousands between the prices at present and those realized one week ago. The avaricious soul is like the ancient horse leech—ever crying more and still more; and if the packer man wants to see the greedy man on earth, all he has to do is to purchase a five cent looking glass and look at himself. An advance of fully \$400 per car does not satisfy—now the demand is for \$500, and the end is not yet. One of them remarked very gravely that 12c. native steers was not a very high price, and another hinted at a figure that would have made a tanner's hair stand on ends. At present writing everything favors the rosy colored views of higher prices. Native steers have been sold at 10c., and now 10½c., even 10¾c. asked, and it would be no surprise to have them demand 11c. before these words blossom unto printed lines, so hard is it to keep track of the packer man's upward tendency of values. Texas have been sold pretty fry at 9c. and now 9½c. is asked for a car or two, no large block, mind you; just now they dribble out their hides as drops of the otter of roses, and every time a drop is taken, up goes the price another ¼c., or in other

words, \$100 per car. It is getting sort of expensive to talk to this packer man, and he is no way backward in telling you: "Well, I don't care whether you take them or not; in fact I just as soon you would not!" Now these words are truthful—no humbug—the actual words of this packer man, who actually meant what he said—for one time at least in his life. And what is the tanner going to do about it? Hides are selling, they are not piling up. Some report ran that packers were concealing from the tanners the actual amount of stocks they had, but such a report is false top to bottom. In fact just now the packer man courts an investigation on tanner's part. "You can walk into my cellar," says this spider to his fly; "You can count the piles of hides, and see still no lie. My price is just ten cents e'er you enter in the door, and then when you've examined, why 'twill be a ¼c. more!" Some tanners have halted, they refuse to purchase, they point the packer man's eye to the price of leather, but as long as some tanners come, and others follow suit, the price of leather is a matter of secondary consideration to this packer man. There must be a halt, and blessed be the packer man who is not too greedy for often asking of high prices is a destruction; and a haughty spirit is sure to get a fall. Just now the outlook for high prices is very good. Some seventy million people down to bedrock in everything, except hides. With the prospect of mills and factories and furnaces all aglow, and alive with men, who will spend every dollar they will make in the necessities of liv-

ing, confidence fully restored, with a small supply of leather, with a world wide shortage of hides, an article that the keenest brains of humanity have not as yet found a substitute for: then is it much to be wondered at that a vision of 12c. natives and 10½c. Texas steers floats before the keen eyes of the packer hide man. I trow not!

**BUTCHERS' SUNDRIES.**

Fresh Beef Tongue .....	33 to 60c
Smoked Beef Tongue .....	11½ to 12½c
Calves' heads, scalded.....	20 to 35c a piece
Sweet breads.....	20 to 60c a pair
Calves' livers.....	20 to 45c a piece
Beef kidneys.....	4 to 8c a piece
Mutton kidneys.....	2c a piece
Livers, beef.....	20 to 45c a piece
Oxtails.....	3 to 5c a piece
Hearts, beef.....	4 to 8c a piece
Rolls, beef.....	6 to 8c a lb
Butts, beef.....	6 to 8c a lb
Tenderloins, beef.....	16 to 20c a lb
Lamb's fries.....	5 to 7c a pair

**CHARLES MILLER,**

MANUFACTURER OF

**BUTCHERS' FIXTURES**

Boxes, Tools, Etc.

Ice Houses for all purposes.

Fish and Oyster Markets fitted up.

All Orders Promptly Attended to.

505 West 45th St., New York.

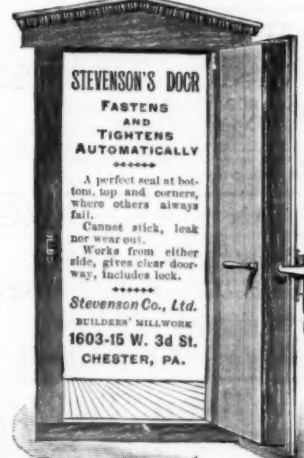
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Lubricating Co.,**

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**THE ONLY REALLY  
AIR-TIGHT DOOR MADE.**

Aside from all its other merits, its easy opening and closing is enough and will save its cost in a few weeks in any busy meat market or storage house.

Write for Circular with Diagrams and Photo-Illustration.

**McKINLEY'S election means a return of confidence.**  
Investors will now loosen their purse strings and industry will boom. The great sound-money victory will make higher prices and active markets.

**SOUND MONEY**  
The grain, stock, provision and cotton markets will from this on offer exceptional opportunities for investment. Wheat backed by the tremendous foreign demand upon our stocks will mount to the highest figures in years. Dollar wheat is possible. Traders looking for good investments should not overlook the wheat. **BUY NOW.**

**PROTECTION**  
We handle trades on margins—buy and sell wheat, corn, oats, provisions, stocks and cotton on the Chicago Board of Trade and New York Stock and Cotton Exchanges. Our connections with New York are the best. We issue the most complete book on speculation published. Its title is "Facts and Figures," and we will send it, together with daily market review to any address, **FREE OF CHARGE.**

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226-228 La Salle Street, Telephone Main 1793. **CHICAGO.**

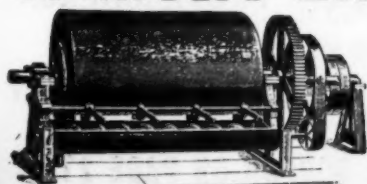
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= If you want any  
For Transmission of Power

We have furnished Rope for some of the largest Drives in the country.

**H. CHANNON COMPANY,**  
24-26 Market St., CHICAGO.

WRITE TO US.

**WM. R. PERRIN & Co. CHICAGO.**



**COOLING CYLINDERS**

**\$200.00 AND UP.**

Send for our Catalogue.

## A TWO-CENT MISTAKE



don't amount to much in any business, but the sticking point is that a clerk is just as liable to make a mistake of \$2.00 as he is of two cents, and a few mistakes like this would pay for enough of Allison's Coupon Books to last a year or more. With these books mistakes are impossible.

### When A Man Wants Credit

for \$10.00 give him a \$10.00 Allison Coupon Book, charge him with this amount and there you are. No trouble at all. If he buys a plug of tobacco for ten cents, tear off a ten-cent coupon—that's all, and so on for all his purchases up to the limit of the book. NO PASS BOOK, NO CHARGING, NO TIME LOST, NO DISPUTES, NO ERRORS. There are other Coupon Books, of course, but why not have the best—Allison's. Let us send you a cancelled sample free. For sale by the jobbing trade or by

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**Provision Broker,**  
429 Produce Exchange,  
**NEW YORK.**

ESTABLISHED 30 YEARS.

**THOMAS GOULARD & CO.,**  
Inspectors, Weighers, Etc.  
**Provisions, Lard, Tallow, Oleo, Oils,**  
—Etc.—  
**NEW YORK AND CHICAGO.**

### THE PACKERS' HAND BOOK.

Is indispensable in every progressive packing house. See particulars, page 47. Order Blank for same, page 27.

**P. G. GRAY,**  
Broker in Packing House Products, Oils,  
Grease, Tallow, Fertilizers, etc.,  
**PROVISIONS.**  
45 North Market St., Boston, Mass., U.S.A.  
Correspondence Solicited.

**H. C. ZAUN,**  
**Provision Broker,**  
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**NEW YORK.**

I do a strictly Brokerage business, neither buy nor sell for my own account. Reference, the Provision Trade of New York generally.

**DICKMAN & MACKENZIE,**  
**Analytical Chemists,**  
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General Analysis of Fertilizers and  
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Telephone, HARRISON 198. ASSAY OFFICE.

**W. Wilson Tickle,**  
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166 and 167 Palmerston Buildings, LONDON, E. C.

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Will undertake any Commissions for the purchase of English goods.

Samples of Cutlery, etc. furnished by parcel post on receipt of remittance to cover cost.

Orders must be accompanied with cash or its equivalent.

**DAVID C. LINK,**  
**General Commission**  
AND  
**Export Broker.**

411 PRODUCE EXCHANGE  
**NEW YORK.**

### OLEO STEARINE A SPECIALTY.

**ROBERT L. WENDLER,**  
BROKERAGE AND COMMISSION,  
Fertilizing Material, Tallow, Grease,  
AND PACKING HOUSE PRODUCTS GENERALLY.  
**72 BOARD OF TRADE,**  
**CHICAGO, ILL.**

**RICHARD MCCARTNEY,**  
**BROKER, PACKER HIDES,**  
Stearine, Tallow, Sheepskins, Cottonseed Oil,  
Fertilizing Materials, Bones, etc.  
Correspondence solicited.  
Information cheerfully given. **Kansas City, Mo.**

### REJECTIONS.

**J. D. W. CLAUSSEN,**  
Handler of Rejected Meats.  
**CONSIGNMENTS SOLICITED.**

Prompt Returns and  
Satisfaction Guaranteed.  
Best of Reference Given on Application.

27 Market St., **CHARLESTON, S. C.**

**JOHN JAMISON,**  
**Philadelphia.**  
**S. P., SMOKED MEATS,**  
**LARD and COMPOUND**  
... Sold on Commission.

### GLUE TEST.

We make a specialty of making glue tests and of analyzing tank water. Please consult us. The National Provisioner Analytical Laboratory, 284 Pearl street, New York.

ESTABLISHED 1831.

**FOSTER DEBEVOISE,**

(Successor to WM. E. CLARK & BRO.)



164-166 Elizabeth Street, New York.

(TELEPHONE 292 SPRING.)

**Provisions, Cooperage, Etc.**

CONSIGNMENTS SOLICITED

**GEORGE W. PRICE**

has commenced this season's manufacture of

**Hill's Celebrated Trenton Sausage.**

PRICE'S PREPARED HAM, SAUSAGE,  
BOLOGNA, FRANKFURTS, SCHAPPEL  
AND BREAKFAST BACON.  
THIS SEASON'S FRESH PORK, SUGAR-  
CURED HAMS, BEEF TONGUES, BONE-  
LESS HAM, DRIED BEEF, LIVER  
PUDDINGS.

I am prepared to fill all orders promptly. No adulterations used in any of our products. Patronage solicited.

**GEO. W. PRICE,**  
Stalls 43 & 44, City Market, **TRENTON, N. J.**  
Factory, 22 & 24 Chambers Street.

**H. SCHEIDEBERG,**

(Established 1873)

Manufacturer of and Dealer in all kinds of

**SAUSAGE CASINGS** AND DIRECT IMPORTERS OF  
English Sheep Casings

Best Sausage Casings of Every Description.

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**HOTEL and STEAMSHIP SUPPLIES**

Sixth Avenue and Tenth Street,

Telephone, 18th St. 139. . . . **NEW YORK**

**FINE BURLAPS** FOR COVERING  
HAMS AND BACON  
**PRESS CLOTH** FOR PRESSING  
TANKAGE, BLOOD, ETC.  
**BURLAP BAGS and ALL GRADES BURLAPS.**  
MANUFACTURED AND IMPORTED BY  
**W. J. JOHNSTON, 182 Jackson St., CHICAGO.**

RESERVED FOR

**Chas. Roesch & Sons,**  
**SLAUGHTERERS,**  
**PACKERS and**  
**PROVISIONERS.**

834, 836 & 838 North Second St.,

PHILADELPHIA, PA.

**SEE COUPON ON PAGE 27.**



## ECONOMY.

## EQUITY.

## SECURITY

\*\*\*\*\*

# AMERICAN UNION LIFE INSURANCE COMPANY.

Paid-up Cash Capital, \$500,000,

January 1, 1896.

\$488 ASSETS to each \$100 LIABILITIES.

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## UNEXCELLED FEATURES:

Incontestable after one year.  
Non-forfeitable after three years.

Paid-up or Extended Insurance provided in case of failure to pay premiums.

Annual Dividends.

Life and  
Endow-  
ment  
Policies:

Loans up to 75%  
of Reserve.

One month's grace  
allowed for pay-  
ment of pre-  
miums.

Lowest Premiums.

Has written more insurance  
and has more insurance  
in force than any other  
Company in a like period  
of its existence.

Issues Renewable Term, Or-  
dinary Life, Limited Pay-  
ments, Endowment, Part-  
nership or Joint Life, and  
Trust Fund Policies.

*Energetic and Reliable Agents Wanted.  
Men of ability can secure liberal contracts.*

For particulars send to Franklin Trust  
Bldg., Cor. Montague and Clinton Sts.

ETTINGER &amp; FREED, Managers,

BROOKLYN, N. Y.

## CHICAGO MARKETS.

## LARDS.

Prime Steam.....	4 1/4
Neutral.....	6
Compound.....	4 1/4

## STEARINES.

Oleo-stearines.....	5
---------------------	---

## OILS.

Lard oil, Extra.....	35
" " No. 1.....	30
" " No. 1.....	28
" " No. 2.....	26
Oleo oil, "Extra".....	6 1/2
Neatsfoot Oil, Pure.....	50
" Extra.....	38
" No. 1.....	33

## TALLOW.

Tallow Oil.....	32
Packers' Prime.....	a 4
No. 2.....	3 1/2
Edible Tallow.....	4 1/2
Demand for tallow good.	

## GREASES.

Brown.....	2 1/2
Yellow.....	a 3
White.....	3 1/2
Bone.....	3 1/2

## BUTCHERS' FAT.

Rough shop fat.....	3/4
Inferior or black fat.....	1/2
Suet.....	1 1/4
Shop Bones, per 100 lbs.....	15

## COTTONSEED OIL.

P. S. Y., in tanks.....	23 1/4
Crude, ".....	20 1/4
Butter oil, barrels.....	30

## FERTILIZER MARKET.

Dried blood, 16 to 17 units.....	1.50	Chgo. f. o. b.
Hoof meal, per unit.....	1.45	"
Concent. tankage, 14 to 16 p.c. p. unit.....	1.40	"
Unground tankage, 10 to 11 p.c. per ton.....	14.00	"
Unground tankage, 9 & 20 p.c. per ton.....	13.00	"
Unground tankage, 8 & 20 p.c. per ton.....	12.00	"
Unground tankage, 7 & 30 p.c. per ton.....	11.00	"
Unground tankage, 6 & 35 p.c. per ton.....	10.50	"
Bone meal, per ton.....	18.00	"
Bones, rough, "packers".....	16.50	"
Steamed bone meal per ton.....	15.50	"
Ground tankage, \$1 per ton extra.		"

## HORNS, HOOFS AND BONES.

Horns No. 1.....	\$170 per ton 65-70 lbs. average
Horns.....	\$20.00 per ton
Round Shin Bones.....	\$47.00 "
Flat Shin Bones.....	\$37.50 "
Thigh Bones.....	\$90 per ton, 90-100 lbs. average

## PACKERS' SUNDRIES.

Pork loins.....	6 a 6 1/2
Pocket Pieces.....	a
Tenderloins.....	12 a 21 1/2
Spare ribs.....	4 1/2 a 5
Trimnings.....	4 a 4 1/2
Ham Trimnings.....	a
Shoulder butts.....	4 1/2 a 5 1/2
Hocks.....	a 3 1/2
Tail Bones.....	a
Pigs' Tails.....	a
Snouts.....	a
Cheek Meat.....	a 2
Skinned Shoulders.....	a 4 1/2
Dry Salt Spare Ribs.....	a 2

## CHICAGO LIVE STOCK.

	Cattle.	Calves.	Hogs.	Sheep.
Receipts.....	36,887	924	97,242	48,821
Ship's.....	9,417	43	33,780	4,060
Receipts.....	60,811	2,940	222,295	72,313
Ship's.....	16,876	85	41,135	7,063
Receipts.....	57,397	2,878	201,618	70,967
Ship's.....	16,678	328	55,038	9,295
Average weight of hogs week ending November 7, 1896, 240 lbs.; week ending November 9, 1896, 237 lbs.; week ending November 10, 1896, 235 lbs.				

IF YOUR MEATS TURN SOUR; IF  
YOUR PICKLE BECOMES "ROPEY;"  
IF YOUR HAMS DO NOT SMOKE WELL;  
IF YOUR LARD IS SOFT AND GREASY,  
SEEK RELIEF BY CONSULTING OUR  
ANALYTICAL LABORATORY.

## P. DONAHUE &amp; SON,

Highest Prices Paid for

## HIDES, FAT AND SKINS,

658 W. 39th St., New York.

## HIGHEST PRICES

FOR

Hides, Horsehides,

Calf Skins,

Tallow, &amp;c.

Sheep and Lamb Skins,

Pelts.

## JOSEPH HABERMAN

623 to 627 West 40th St.,

NEW YORK CITY.

## REFERENCES:

The Bowery Bank of New York.  
„The National Provisioner.”

## JACOB LEVY

PAYS THE HIGHEST PRICES FOR

Fat, Suet, Calfskins, Hides, Plates &amp; Bones,

799 First Ave., New York City.

76 KENT STREET, 16 NO. WEST ST.,  
Greenpoint, L. I. Mount Vernon.

Wagon calls to all parts of the city, Brooklyn, Westchester  
Co., and Yonkers.

## HERMAN BRAND,

Dealer in

Fat, Calfskins, Suet and Bones,

413 East 51st St., New York.

Wagons visit all parts of the city.

## CHARLES GROLL,

DEALER IN

FAT AND CALFSKINS,

Also Plate, Naval and Prime Beef,

548 W. 40th St. (Bet. 10th &amp; 11th Aves.) NEW YORK.

SEE COUPON ON PAGE 27.

## WHAT'S THE MARKET

ON...

HIDES

SKINS

PELTS

TALLOW

GREASE

SEND for free copy of our  
paper. Market Reports  
each week from Chicago  
and all leading markets.

Pays to keep posted.

....

Hide and Leather,

154 LAKE STREET, CHICAGO.

## SOMEBODY IS USING THEM!



NUMBER 1 BOOK.

THE FACE VALUE  
OF THE MONTHLY  
OUTPUT OF THE

### FORBES INDEXED COUPON BOOKS

... IS NEARLY \$1,000,000

**HAVE YOU TRIED THEM?** Our "Number 1" Book is better than any other made, but our "Number 2" excels it. Has index, cannot be tampered with, name on face of each coupon either from type or your

**ENGRAVED SIGNATURE.** Engraved signatures last a life time and cost is small. Books made in all ALL SIZES and DELIVERED FREE. Pamphlet telling you all about them and sample books for the asking. Let us send them to you.

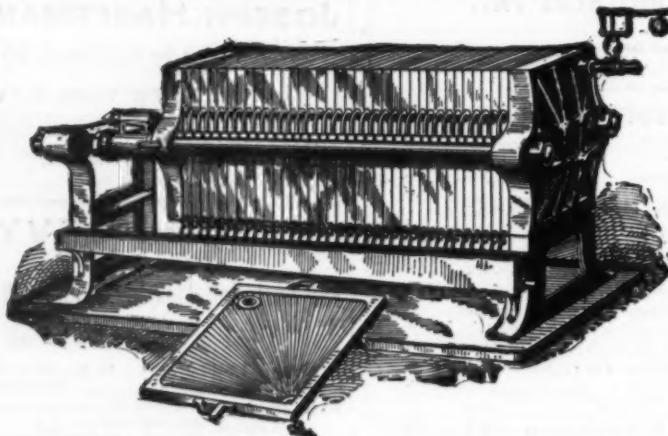
**J. P. FORBES,** FORBES BUILDING,  
COSHOCKTON, OHIO.

We make Books for Ice Dealers, Hotels, Grocers, Restaurants,  
Soda Water, Telephone Co's., etc.

## SPERRY'S NEW FILTER PRESS

HAS MANY POINTS OF EXCELLENCE OVER OTHER PRESSES OF THIS FORM.

THE LATEST AND BEST.



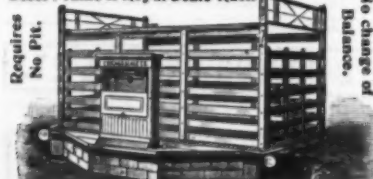
THE LATEST AND BEST.

**D. R. SPERRY & CO.** MANUFACTURERS OF  
Vacuum Pans, Steam Jacket Kettles,  
BATAVIA, ILL. Caldrons, Hog Scalders, etc.

SEND FOR FULL INFORMATION.

### SEE COUPON ON PAGE 27.

16 oz. to 1 lb.  
**U. S. Standard**  
Steel Frame & Royal Scale Rack



Hundreds of specialties at less than Wholesale prices, viz:  
Sewing Machines, Bicycles, Organs, Pianos, Cider Mills,  
Carriages, Carts, Beggins, Harrows, Saws, Bone Mills,  
Letter Presses, Jack Screws, Trucks, Aerials, Hay Cutters,  
Presses, Feed Mills, Stoves, Drills, Road Plows,  
Lawn Mowers, Coffee Mills, Forges, Lathes, Dump Carts,  
Corn Shellers, Band Saws, Excavators, Tools, Wire Fences,  
Panning Mills, Crow Bars, Balers, Watches, Clothing &c.  
Hay, Block, Elevator, Railroad, Platform and Counter SCALES.  
Send for free Catalogue and see how to Save Money.  
151 S. Jefferson St. CHICAGO SCALE CO., Chicago, Ill.

### DUMRAUF & WICKE,

Manufacturers of

### BUTCHERS' FIXTURES and ICE HOUSES

of every description.  
Fish Markets Fitted Up.  
Tools always on hand.  
**SHEET IRON  
SMOKE HOUSES.**

338 & 340 East 102d St., NEW YORK.

**HINTS TO PRACTICAL OIL MILLERS  
WITH REGARD TO PRESS ROOM AP-  
PLIANCES AND METHODS. ORDER  
THE BOOK NOW. BLANK CAN BE  
FOUND ON PAGE 19.**

WHEN YOU GO TO  
GANSEVOORT  
MARKET CALL AT

For your...  
Butchers' Tools, Skewers, Lard Kettles,  
Presses, Stuffers, etc. Fixtures of all kinds.

## GANSEVOORT BUTCHERS' SUPPLY CO.

27 Tenth Avenue, New York,

Butchers' Blocks our Specialty.

## HAMBURG-AMERICAN LINE

**THE ONLY LINE** maintaining a regular service to the European Continent with **TWIN SCREW STEAMERS**. New York-Plymouth (London)-Cherbourg, (Paris)-Hamburg Holding the record for fastest time on this route.

Columbia, Sept. 24, 7 a.m.	Normannia, Oct. 29, 10 a.m.
Normannia, Oct. 1, 10 a.m.	Aug. Victoria, Nov. 5, 7 a.m.
Aug. Victoria, Oct. 8, 7 a.m.	Fürst Bism'k, Nov. 12, 10 a.m.
Fürst Bism'k, Oct. 15, 10 a.m.	Normannia, Nov. 26, 10 a.m.

### REGULAR SERVICE between NEW YORK and HAMBURG direct.

By new Twin Screw mail steamers and other steamers.

Patris, Sept. 19, 3.30 p.m.	Palatia, Oct. 24, 8 a.m.
Prussia, Sept. 26, 10 a.m.	Patris, Oct. 31, 12 noon.
Phoenicia, Oct. 3, 3 p.m.	Prussia, Nov. 7, 9 a.m.
Persia, Oct. 10, 9.30 a.m.	Phoenicia, Nov. 14, 1.30 p.m.
Armenia, Oct. 17, 2.30 p.m.	

### BALTIC LINE Direct Service between NEW YORK and STETTIN.

Georgia, Sept. 19, 2 p.m.	Virginia, Nov. 21, 2 p.m.
Virginia, Oct. 3, 2 p.m.	Venetia, Dec. 5, 2 p.m.
Venetia, Oct. 17, 2 p.m.	Georgia, Dec. 26, 2 p.m.
Georgia, Nov. 7, 2 p.m.	Virginia, Jan. 9, '97, 2 p.m.

### SPECIAL WINTER CRUISES

To Orient, leaving New York, January 26th, 1897. To the West Indies, leaving New York on Thursday, February 11th, 1897. Special pamphlets, containing full description of these trips, will be sent upon application to the

Hamburg-American Line,

37 Broadway, New York, Cor. La Salle and Randolph Sts., Chicago.

## JACKSON & CO.

MANUFACTURERS OF

BUTCHERS' and PACKERS'

## SKEWERS

Made from the  
BEST OF HICKORY.

Correspondence solicited.

**Jackson & Co.,**

626 Tenth Ave., New York.

## THEODORE FISHER

3324-3326 South Halsted Street,  
CHICAGO, ILL.

Brass and Copper Founder

COPPER BURNING BRANDS FOR  
PACKERS' USE A

SPECIALTY.

Send your pattern and I will send sample of work free of charge, with estimate.  
Finest Material and Workmanship Guaranteed.

## MINERAL WOOL

Best and Cheapest

Insulator for

## COLD STORAGE

—AND—

## ICE HOUSES.

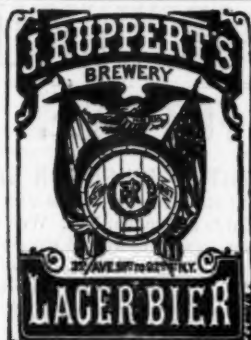
Samples and Circulars Free.

## U. S. MINERAL WOOL CO.

2 CORTLANDT STREET, NEW YORK.

**WESTERN MINERAL WOOL CO**  
Cleveland, Ohio and Chicago, Ill.





## BUTCHERS.

The following Mortgages on Butchers' Fixtures, Bills of Sale, etc., have been recorded during the past week up to Saturday, November 7, 1896. They are a reprint of our Advance Sheet, sent out to houses on November 7, who subscribe to same.

### NEW YORK CITY.

Fischman, Adolph, 63 Lewis; to E. Diamond..... \$45  
 Fluckiger, J. A., 248 Bleecker, 2, 4 and 6 Leroy; to C. H. Reed..... 3,000  
 Herz & Rosenthal, 245 East 3d; to M. Klein..... 50  
 Klein, Sarah, 41 Goerck; to R. Rosenberg..... 50  
 Pitcher, Julius, 1783 1st Ave.; to Dumrauf & Wicke..... 250  
 Spanhoff, Herman, 237 2d; to M. Klein..... 50  
 Schwan, Jacob, 727 Melrose Ave.; to B. Weisenberger..... 60

### Bills of Sale.

Allen, W. H., 2257 7th Ave.; to H. McLaughlin..... 500  
 Bitz, Frank, 922 Columbus Ave.; to Stern & Dausch..... 300  
 Diedrich, Minnie, 1666 Amsterdam Ave.; to E. B. Taylor..... 1,000  
 Kraus, Peter, 239 and 245 East 56th; to L. Herman..... 4,450  
 Larschau, Sigmund, 453 East 78th; to Jacob Larschau..... 300

### KINGS COUNTY.

Armstrong, W. P., 56 Kosciusko; R. J. Blauvelt (Ice Wagons, etc.)... 100  
 Breckheimer, P., 863 Broadway; to B. Steigert..... 900  
 Brahm, C., 314-316 Melrose; to J. Wagenbrener..... 75  
 Dreyer, L. H., and W. Van Dolen, 614 Classon Ave.; to C. F. Hildt; (secures rents, etc.)  
 Hofmann, A., 169 Tompkins, Ave.; to Katie Hofmann..... 500



## THE UNION SAUSAGE STUFFER

MADE IN TWO SIZES.  
 34-lb. Size, - - \$65  
 36-lb. Size, - - 60

This Stuffer occupies less room than any other and is simple and rapid in operation.

Send for Descriptive Circular.

MANUFACTURED BY  
**The UNION Machine Works,**

413 Cherry Street, Philadelphia, Pa.  
 New York Agents:  
**B. OPPENHEIMER & CO.,** 96 PEARL STREET

## A Five Dollar Safe IN THE PRODUCE EXCHANGE VAULTS, NEW YORK CITY.

Will hold a large number of Deeds, Mortgages, Insurance Policies, Bonds, Stocks and other valuable papers. **INSPECTION INVITED.**

## GROCERS.

The following Mortgages on Grocers' Fixtures, Bills of Sale, etc., have been recorded during the past week up to Saturday, November 7, 1896. They are a reprint of our Advance Sheet, sent out to houses on November 7, who subscribe to same.

### NEW YORK CITY.

Anable, E. N., Westminster Hotel; to Annie S. Anable..... 70,000  
 Boehm, Herman, 235 East Houston; to M. Levin (Grocery and Restaurant)..... 100  
 Handler, Rebecca, 118-20 Division; to M. Myers..... 300  
 Sapir, Morris, 239 East 101st; to Lange Bros..... 50  
 Taulin, S. & H., 302 East 71st; to Lange Bros..... 60  
 Walsh, J. F., 673 2d Ave.; to H. Carroll..... 250

### Bills of Sale.

Cohen, Sarah, 77 Lewis; to Kieler & Weiss..... 150  
 Cronmeyer, H. L. R., 865 East 169th and 1396 Boston Ave.; to Wilhelmina F. C. Cronmeyer..... 2,500  
 Dillon, Addie, 90 3d Ave.; to S. Davidson..... 150  
 Hankins, A. C., Nassau and Spruce Sts.; to J. N. Schilling..... 1,700  
 Huempfer, Adolf, 7 3d Ave.; to H. Haas..... 1  
 Kern, Abraham, 2374 2d Ave.; to M. S. Adler..... 1  
 Miller, Hyman, 344 East 76th, 506 73d, 433 East 76th; to S. Gordon..... 800  
 Steele, Margaret, or J. W. Steele, agent, 103 West End Ave.; to Horr & Feldmann..... 600

### KINGS COUNTY.

#### Bills of Sale.

Nash, Hannah, 1695 Fulton; to N. Nash..... 125  
 Schmidt, J., 792 Gates Ave.; to E. Kessel (Delicatessen)..... 115  
 Strauss, W. F., 63-65 Underhill Ave.; to W. Wortmann & Co..... 1,820  
 W. Wortmann & Co., 63-65 Underhill Ave.; to F. E. Rosebrock..... 1,820

### ESSEX COUNTY.

Rudman, Joseph; to F. E. Seilertal. 450

**NOTE.**—The above information will be furnished on a special advance sheet one week ahead of this publication to all those who may desire to order it. Price, \$2.50 per year, 52 weekly sheets.

## BUTCHERS OF BROOKLYN

WOULD DO WELL TO CALL AT  
**ELSNER & KEIL,**  
 201 Wallabout Market,  
 who manufacture every kind of Provisions and Smoked Meats.  
 Bologna and Frankfurters a Specialty.  
 YOUR BUSINESS SOLICITED.

TELEPHONE, 299 FRANKLIN.

**JAMES H. O'BRIEN,**  
**SCALE MAKER AND REPAIRER.**  
 Manufacturer of Over-Head Scales and Tracks for Weighing and Handling all kinds of Merchandise.  
 Dealer in New and Second-Hand Scales.  
 Scales Tested and Sealed to U. S. Standard.  
**75 NEW CHAMBERS ST. NEW YORK.**

**J. DAHUTS' SONS,**  
 MANUFACTURERS OF  
**First-Class BUTCHERS and GROCERS' FIXTURES**  
 Dealers in Counters, Showcases, Scales, Cannisters, Coffee Mills and Chandeliers at lowest prices.  
**REFRIGERATORS A SPECIALTY.**  
**2104-2106 Second Avenue,**  
 Cor. 108th Street, **New York.**

## Refrigerating Machine Paint



We guarantee this paint to preserve the cooling pipes, coils, etc. absolutely against rusting.

**HIGHLY RECOMMENDED. USE IT AND SAVE BIG MONEY.**

**ERNECKE & SALMSTEIN,**  
 300 South Clinton Street, Chicago.

## CIMETER BLADE STEAK KNIFE.

Per Doz.  
 No. 010—10 inch, - \$9.60  
 No. 012—12 inch, - 15.00  
 No. 014—14 inch, - 21.00  
 No. 016—16 inch, - 27.00

We will send one or more of these Steak Knives to any Marketman or Butcher in the United States or Canada, Express prepaid, on receipt of list price. **SEND FOR CATALOGUE FREE.**

**KNIVES, CLEAVERS AND STEELS.**

CUTLERS TO THE AMERICAN BUTCHERS.

**NICHOLS BROS., Greenfield, Mass.**

## "ECLIPSE"

## Silent Meat Cutting Machines

Are conceded by the Trade, both in this country and Europe, to be

**THE BEST MACHINES** EVER PUT ON THE MARKET.

MANUFACTURED AND SOLD BY

**DUNCAN MACKENZIE,**  
**Union Iron Works**

HAMILTON AVENUE, TRENTON, N. J.

Sold also by **WOLF, SAYER & HELLER,**  
 Fulton and Peoria Streets, Chicago, Ill.  
 and 120 Pearl Street, New York.

**SEND FOR CATALOGUE.**



# WANTED.--FOR SALE.--BUSINESS OPPORTUNITIES.

## NOTICE.

Advertisements in this column to occupy one inch or less are inserted at the minimum rate of one dollar per insertion (one inch of eight lines or less). Fifteen cents per line for every additional line above eight lines.

## POSITIONS WANTED.

### FERTILIZER AND GLUE.

An experienced fertilizer man, at present connected with large packing firm, who has had executive management of business and who thoroughly understands the manufacture and sale of Fertilizers, Glue, Tallow, Stearines, Oils, Casings, etc., will be open for engagement January 1. Would like to hear from parties organizing a company or from a responsible broker. Best of references. Address AVAILABLE, Box 115, care of THE NATIONAL PROVISIONER, 617-618 Manhattan Building, Chicago.

### IMPORTANT TO PACKERS AND MANUFACTURERS.

A gentleman who desires to make an extended trip through Europe next spring and who will visit the largest cities and principal ports would be pleased to make connections with some prominent houses for which he could do some business on his proposed trip. Address I. Z. I., Box 527, care of THE NATIONAL PROVISIONER, 284 Pearl street, New York.

Position by competent man in office or warehouse. Have had experience in packing house. Can furnish best of references. Address J. H. C., care THE NATIONAL PROVISIONER, 284 Pearl street, New York City.

Packing house expert is open for engagement to superintend erection of packing houses and complete equipment thereof—cattle, hogs and sheep. Will also undertake to instruct in any branch of the business. Killing, cutting and curing for domestic or foreign trade, refining lards, manufacture of compounds, deodorizing greases, the manufacture of oleo and neutral lard, canning of all kinds of meats, manufacture of beef and chicken extracts, process of canning corned beef in six days from cutting and guaranteed equal to any on the market. Address EXPERT, 617 Manhattan Building, Chicago.

POSITION WANTED BY A THOROUGHLY experienced and widely acquainted packing house machinery and supplies salesman. Address D. M. BELL, care THE NATIONAL PROVISIONER, 617 Manhattan Building, Chicago.

WANTED—A position as beef or sheep salesman; have had three years' experience selling beef and sheep in New York. J. S., care of "The National Provisioner," New York.

### POSITION WANTED.

By good beef salesman, who has good chuck trade in New York and Brooklyn; entirely familiar with the beef and fat business, having had an experience of over eight years in these departments in a large house. Am also a competent bookkeeper and office man. Would go into partnership in chuck business with party having a few hundred dollars. Good profits. Address J. F., 118, care NATIONAL PROVISIONER, 284 Pearl street, New York City.

## HELP WANTED.

### Manager Wanted

#### For Sausage Department.

Wanted.—By a large Chicago manufacturer of summer sausage, a competent man to sell large trade and handle department; must be a good salesman, and experienced. State age, qualifications, references. Y. S. U., Box 211, care of "The National Provisioner," 617 Manhattan Building, Chicago.

## CHEMIST WANTED.

WANTED.—A Chemist, must be fully experienced in Packinghouse Laboratory work. State references, experience, age, etc.

Address, CHEMIST,  
617 Manhattan Bldg., Chicago.

A casing traveling man to handle a side line on commission. Address "SIDE LINE," care THE NATIONAL PROVISIONER, New York.

We desire for the city of Cincinnati a representative who is known and respected in the packing trade, and who, if possible, has other occupation, so that he can take our business as a side line. THE NATIONAL PROVISIONER, 284-6 Pearl street, New York City.

WANTED.—An energetic business man who can furnish good references as to character and wishing to actively engage in the wholesaling of beef, pork and small stock, can hear of a chance seldom offered to become a partner in a well established and paying business that will bear investigation; in a good business city; one acquainted with the business preferred; the reason for wanting a partner is his assistance to increase the business; none but those meaning business need apply. Address, "PARTNER," care THE NATIONAL PROVISIONER, New York City, N. Y.

## WANTED.

Clerical position in packing house. Address W. E. White, 617 Manhattan Bldg., Chicago, Ill.

## FOR SALE.

### SLAUGHTER HOUSE FOR SALE.

FOR SALE—Slaughter house and ground in Stock Yards in Omaha, Neb. Well adapted for handling dressed meat and shipping East. Particulars on application. Address O. C., 111, NATIONAL PROVISIONER, 284-6 Pearl street, New York; 617-8 Manhattan Building, Chicago.

A few copies of "Swine Husbandry" (by Coburn), at 75c. each. This is a good opportunity for any one who desires to possess a book which treats fully on breeding, feeding and cultivation. The price named is a reduced figure. THE NATIONAL PROVISIONER PUB. CO., 284 Pearl street, New York.

### OIL, TALLOW, GLUE AND ANIMAL BONE FERTILIZER BUSINESS

#### FOR SALE.

Comprising 18 acres of land; house, buildings and factory furnished with spring water by ram; 60 horsepower engine and boiler, crushers, mills, screens, elevators, tanks, etc., all new. Will sell cheap on account of ill health. JOS. L. BICKESTAFF, 2800 Broad Street, Richmond, Va.

### OIL MILL AND ICE PLANT FOR SALE.

A well equipped cottonseed oil mill, 50 tons' capacity, situated in a leading commercial center in the South, consisting of one huller, four linters, rolls, four cookers and heaters, three 12-box Van Winkle presses and one 15-box press, one cake breaker, one buhr mill and one attrition mill. In addition to the foregoing there is also a first-class hydraulic pump, shafting, belting, etc., all new. Also a 60 H. P. steam engine, two 80 H. P. boilers, feed pump and feed water heater, together with receiving and settling tanks, etc. In addition to the foregoing there is also offered for sale on same premises, one 35-ton De La Vergne refrigerating machine, a complete 17-ton ice-making plant, including condensing and filtering apparatus, together with a 50-light dynamo, with 12 H. P. New York Safety Steam Power Co.'s engine; everything in first-class order and now being operated on a paying basis. A 50-barrel refinery is now being erected, which will add to the value of the oil mill very materially. For further particulars, address B. E. F., Box 17, THE NATIONAL PROVISIONER, 284 286 Pearl Street, New York; or 617-618 Manhattan Building Chicago.

Live Stock and General Provision Agent,  
EDWD. HEYMANS, PARIS, France, 19 Rue Branger.  
(Est'd 1872.) Telegr., Heymansius (A B C Code.)

TO BE DETACHED.

## SUBSCRIPTION BLANK.

The National Provisioner Publishing Co.,

284 & 286 PEARL STREET, NEW YORK:

Please enter my name as an Annual Subscriber for your paper, for which please find \$4 inclosed.

SUBSCRIPTIONS.		NAME.....
Per Annum in the U. S. and Canada (in advance),	\$4.00	CITY AND STREET.....
Foreign Countries, except Canada (in advance),	5.00	COUNTY AND STATE.....

189..



....The....  
Enterprise

# NEW POWER MEAT CHOPPER



Capacity fifty per cent.  
greater than the same  
size of the old pattern.

Absolutely Noiseless  
as there are no gears.

No. 56 Corresponds to size  
with our No. 25 \$100.00  
No. 66 Corresponds to size  
with our No. 40 \$225.00

Knives and plates  
last twice as long

The Enterprise Manufacturing Company of Pa.

Send for Illustrated Descriptive Circulars  
Consult your Supply House.

Station Q, Philadelphia, Pa., U. S. A.

## Smith's Celebrated Buffalo Chopper with Self-Mixer.

KNOWN THE WORLD OVER

If you want the Best Sausage Cutter, try a BUFFALO.  
Don't let any one talk it out of you.

Any practical Sausage Maker, who wants to make GOOD SAUSAGES, will tell you the BUFFALO CHOPPER with MIXER is the best in the world. It chops and mixes at one time, saving time and labor. Does not waste the meat but chops it evenly, saving the juice and making better sausages. With Mixer on it works in more water. Saves buying a separate mixer, saving room and extra power, doing the work of two machines. Sausages furnished from users in most any city in the United States; also Germany, France, England, Ireland, Australia, South America, Canada and Mexico. Write for full particulars and lowest prices.



Any Machine

Sent on Trial.

SOMETHING NEW.  
Grind Stone for Grinding  
Machine Knives.

NEW SPIN HILL.  
BEST BUT MADE.

JOHN E. SMITH & SONS,

107-109 BROADWAY, Buffalo, N. Y.



PREPARED EXPRESSLY FOR PACKERS' USE.

THE Pacific Coast Borax Company's

STANDARD BRANDS OF

**GRANULATED BORACIC ACID**

AND REFINED POWDERED BORAX.

NECESSARY IN EVERY PACKING HOUSE.

PACIFIC COAST BORAX COMPANY, 253 Kinzie Street, CHICAGO.



## ARMOUR & CO., PACKERS, CHICAGO.

In addition to all usual products of HOGS and CATTLE, including our unrivaled STAR HAMS and BACON, we manufacture

**GLUE, CURLED HAIR,**

**BREWERS' ISINGLASS,**

**PURE ANHYDROUS AMMONIA.**

The Superiority of Our Goods is Well Known.

## Armour Packing Co.

**Kansas City,  
U. S. A.**

**PACKERS AND JOBBERS.**

PRODUCER'S WHITE LABEL PURE LEAF LARD.  
GOLD BAND HAMS AND BREAKFAST BACON.

PRICES MADE ON SWEET PICKLE PORK and  
BEEF HAMS UPON APPLICATION.

**ALL FRESH AND CURED  
MEAT PRODUCTS.**



